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OM protein - protein search, using sw model

Run on: August 18, 2004, 01:17:50 ; Search time 19 Seconds
(without alignments)
1546.062 Million cell updates/sec

Title: US-09-847-208B-7

Perfect score: 3060

Sequence: 1 EPRKCDKTHCPAPPELL.....HEAASPSQTVQRAVSNPK 569

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 370580

Minimum DB seq length: 0

Maximum DB seq length: 569

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: Issued Patents AA:*
- 2: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
- 3: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/6C COMB.pep.*
- 7: /cgn2_6/ptodata/2/iaa/6D COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1247	40.8	277	4	US-09-428-082B-22
2	1243	40.6	268	4	US-09-428-082B-8
3	1226	40.1	253	4	US-09-428-082B-16
4	1225	40.0	232	2	US-08-595-043A-50
5	1225	40.0	331	3	US-09-178-869-2
6	1225	40.0	331	4	US-09-761-413-2
7	1225	40.0	360	4	US-09-180-100-11
8	1225	40.0	371	1	US-08-236-311-7
9	1225	40.0	371	3	US-08-457-918-7
10	1225	40.0	376	4	US-09-180-100-22
11	1225	40.0	396	2	US-08-784-512-3
12	1225	40.0	396	3	US-09-176-228-3
13	1225	40.0	424	5	PCT-US95-03866-12
14	1225	40.0	424	5	PCT-US95-03866-14
15	1225	40.0	437	5	PCT-US96-10043-11
16	1225	40.0	442	4	US-08-472-888A-7
17	1225	40.0	442	5	PCT-US96-10043-9
18	1225	40.0	446	3	US-08-397-411-7
19	1225	40.0	449	1	US-08-458-516-13
20	1225	40.0	459	1	US-08-157-101A-7
21	1225	40.0	475	4	US-09-740-002-27
22	1225	40.0	476	2	US-08-378-939-10
23	1225	40.0	476	3	US-08-487-550-4
24	1225	40.0	476	3	US-08-487-550-12
25	1225	40.0	476	4	US-09-526-098-4
26	1225	40.0	476	4	US-09-526-098-12
27	1225	40.0	478	3	US-08-487-550-8

28	1225	40.0	478	4	US-09-526-098-8	Sequence 8, Appli
29	1225	40.0	497	4	US-09-499-846-6	Sequence 6, Appli
30	1225	40.0	525	4	US-09-499-846-4	Sequence 4, Appli
31	1225	40.0	547	4	US-09-746-359A-54	Sequence 54, Appli
32	1224	40.0	475	4	US-09-740-002-25	Sequence 25, Appli
33	1221	39.9	462	4	US-09-289-942A-7	Sequence 7, Appli
34	1220	39.9	254	2	US-08-284-391B-33	Sequence 33, Appli
35	1220	39.9	254	3	US-09-218-950-33	Sequence 33, Appli
36	1220	39.9	389	3	US-09-131-247-14	Sequence 14, Appli
37	1219	39.8	330	4	US-09-301-593-22	Sequence 22, Appli
38	1219	39.8	451	2	US-08-887-352B-14	Sequence 14, Appli
39	1219	39.8	451	2	US-08-887-352B-16	Sequence 16, Appli
40	1219	39.8	451	2	US-08-887-352B-18	Sequence 18, Appli
41	1219	39.8	451	3	US-08-466-151-65	Sequence 65, Appli
42	1219	39.8	451	3	US-09-109-207C-14	Sequence 14, Appli
43	1219	39.8	451	3	US-09-109-207C-16	Sequence 16, Appli
44	1219	39.8	451	3	US-09-109-207C-18	Sequence 18, Appli
45	1219	39.8	451	3	US-09-282-505-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-428-082B-22
; Sequence 22, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428, 082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FC-EMP-EMP
US-09-428-082B-22

Query Match	40.8%;	Score 1247;	DB 4;	Length 277;
Best Local Similarity	81.8%;	Pred. No. 2e-97;		
Matches 239;	Conservative	7;	Mismatches 12;	Indels 34; Gaps 5;
QY	6	DKTHCPCPAPELGGPSVFLFPKPKDLMISRTPEVTCVVVDVSHEDPEVKENWYVD	65	
Db	2	DKTHCPCPAPELGGPSVFLFPKPKDLMISRTPEVTCVVVDVSHEDPEVKENWYVD	61	
QY	66	GVEHNVTKPREEOYNSTYRVSVLTVLHQNMMNGKEYCKKVSNNKALPAPIEKTISKAK	125	
Db	62	GVEHNVTKPREEOYNSTYRVSVLTVLHQNMMNGKEYCKKVSNNKALPAPIEKTISKAK	121	
QY	126	VOPRPOVTLPPSDELTKNQVSLTCLVKGYPSCDI AVEWESNGQPNNYKTTTPVLDS	185	
Db	122	GQPRPOVTLPPSDELTKNQVSLTCLVKGYPSCDI AVEWESNGQPNNYKTTTPVLDS	181	
QY	186	VGSFELYSLTVDKGRWQGNVFCVSNVHEALHNHYQORSLSLSPKVEGGGGSG	240	
Db	182	DGSEFELYSLTVDKGRWQGNVFCVSNVHEALHNHYQORSLSLSPKVEGGGGSG	239	
QY	241	-----GGSGGGSGSFTPTTKVLQSSCDGGGHPPTIOLLCVSG	280	
Db	240	HFGPLTWCKPQGGGGGGGT-----SC-----HFGP-LTWCKPQ	276	

RESULT 2
US-09-428-082B-8
; Sequence 8, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 8
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FC-TMP-TMP
US-09-428-082B-8

Query Match 40.6%; Score 1243; DB 4; Length 268;
Best Local Similarity 88.9%; Pred. No. 4.1e-97;
Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;

QY 6 DKHTCTPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65
DB 2 DKHTCTPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61

QY 66 GVEVHNKTKPREEQNSTYRVVSVLTVLHQWMNGKEYCKVSNKALPAPIETISKAK 125
DB 62 GVEVHNKTKPREEQNSTYRVVSVLTVLHQDLNKGKEYCKVSNKALPAPIETISKAK 121

QY 126 VOPREPQVYTLPPSRDELTKQVSLTCLVKGYFSPSDIAVEWESNGQPENNYKTTTPVLD 185
DB 122 GQPREPQVYTLPPSRDELTKQVSLTCLVKGYFSPSDIAVEWESNGQPENNYKTTTPVLD 181

QY 186 VGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQORSLSLSPGKVEGGGGSG----- 240
DB 182 DGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQORSLSLSPGKVEGGGGSGEGPTLR 262

QY 241 -----GGGGGGGGSTPTTVK 256
DB 242 MLARAGGGGGGGEGPTLR 262

RESULT 3
US-09-428-082B-16
; Sequence 16, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 16
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FC-EMP

US-09-428-082B-16
Query Match 40.1%; Score 1226; DB 4; Length 253;
Best Local Similarity 84.7%; Pred. No. 1e-95;
Matches 233; Conservative 7; Mismatches 11; Indels 24; Gaps 4;

QY 6 DKHTCTPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65
DB 2 DKHTCTPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61

QY 66 GVEVHNKTKPREEQNSTYRVVSVLTVLHQWMNGKEYCKVSNKALPAPIETISKAK 125
DB 62 GVEVHNKTKPREEQNSTYRVVSVLTVLHQDLNKGKEYCKVSNKALPAPIETISKAK 121

QY 126 VOPREPQVYTLPPSRDELTKQVSLTCLVKGYFSPSDIAVEWESNGQPENNYKTTTPVLD 185
DB 122 GQPREPQVYTLPPSRDELTKQVSLTCLVKGYFSPSDIAVEWESNGQPENNYKTTTPVLD 181

QY 186 VGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQORSLSLSPGKVEGGGGSGGGSG 245
DB 182 DGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQORSLSLSPGKVEGGGGSGGGSG 232

QY 246 GGSFTPTVKILQSSCDGGGHPPTIQLLCLVSG 280
DB 233 GGGTY-----SC-----HFGP-LTWVCKPQG 252

RESULT 4
US-08-595-043A-50
; Sequence 50, Application US/08595043A
; Patent No. 5935824
; GENERAL INFORMATION:
; APPLICANT: SGARLATO, GREGORY D.
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/595,043A
; FILING DATE: 31-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: SGAR-00371
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-595-043A-50

Query Match 40.0%; Score 1225; DB 2; Length 232;
Best Local Similarity 97.0%; Pred. No. 1.1e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKTHTCCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYDGVVHNVKTPREEQYNSTYRVVSVLTVLHQWMMNGKEYCKVSNKALPAPIET 120
DB 61 NWYDGVVHNVKTPREEQYNSTYRVVSVLTVLHQWMMNGKEYCKVSNKALPAPIET 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
DB 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVMEALHNNHYQORSLSPGK 232
DB 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVMEALHNNHYQORSLSPGK 232

RESULT 5

US-09-178-869-2
; Sequence 2, Application US/09178869B
; Patent No. 6197294
; GENERAL INFORMATION:
; APPLICANT: Tao, Weng
; APPLICANT: Wong, Shou
; APPLICANT: Hickey, William F.
; APPLICANT: Hamang, Joseph P.
; APPLICANT: Baetge, E. Edward
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION
; FILE REFERENCE: 17810-043
; CURRENT APPLICATION NUMBER: US/09/178,869B
; CURRENT FILING DATE: 1998-10-26
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-178-869-2

Query Match 40.0%; Score 1225; DB 3; Length 331;
Best Local Similarity 97.0%; Pred. No. 1.9e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 100 EPKSCDKTHCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 159
QY 61 NWYDGVVHNVKTPREEQYNSTYRVVSVLTVLHQWMMNGKEYCKVSNKALPAPIET 120
DB 160 NWYDGVVHNVKTPREEQYNSTYRVVSVLTVLHQWMMNGKEYCKVSNKALPAPIET 219
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
DB 220 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 279
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVMEALHNNHYQORSLSPGK 232
DB 280 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVMEALHNNHYQORSLSPGK 331

RESULT 6

US-09-761-413-2
; Sequence 2, Application US/09761413
; Patent No. 6506891
; GENERAL INFORMATION:
; APPLICANT: Tao, Weng
; APPLICANT: Wong, Shou
; APPLICANT: Hickey, William F.
; APPLICANT: Hamang, Joseph P.
; APPLICANT: Baetge, E. Edward
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION
; FILE REFERENCE: 17810-043
; CURRENT APPLICATION NUMBER: US/09/761,413
; CURRENT FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US/09/178,869
; PRIOR FILING DATE: 1998-10-26

; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-761-413-2

Query Match 40.0%; Score 1225; DB 4; Length 331;
Best Local Similarity 97.0%; Pred. No. 1.9e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 100 EPKSCDKTHCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 159
QY 61 NWYDGVVHNVKTPREEQYNSTYRVVSVLTVLHQWMMNGKEYCKVSNKALPAPIET 120
DB 160 NWYDGVVHNVKTPREEQYNSTYRVVSVLTVLHQWMMNGKEYCKVSNKALPAPIET 219
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
DB 220 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 279
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVMEALHNNHYQORSLSPGK 232
DB 280 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVMEALHNNHYQORSLSPGK 331

RESULT 7

US-09-180-100-11
; Sequence 11, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 11
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-11

Query Match 40.0%; Score 1225; DB 4; Length 360;
Best Local Similarity 97.0%; Pred. No. 2.1e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 129 EPKSCDKTHCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 188
QY 61 NWYDGVVHNVKTPREEQYNSTYRVVSVLTVLHQWMMNGKEYCKVSNKALPAPIET 120
DB 189 NWYDGVVHNVKTPREEQYNSTYRVVSVLTVLHQWMMNGKEYCKVSNKALPAPIET 248
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
DB 249 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 308
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVMEALHNNHYQORSLSPGK 232
DB 309 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVMEALHNNHYQORSLSPGK 360

RESULT 8

US-08-236-311-7

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; Sequence 7, Application US/08236311
; Patent No. 5565335
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/236,311
; FILING DATE: 02-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 444P1C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-236-311-7

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Query Match 40.0%; Score 1225; DB 1; Length 371;
Best Local Similarity 97.0%; Pred. No. 2.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCAPPELLGGPSVFLPPTKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 140 EPKSCDKHTCCPCAPPELLGGPSVFLPPTKDTLMISRTPEVTCVVVDVSHEDPEVKF 199

QY 61 NYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMMGKVKCKVSNKALPAPIEKT 120
DB 200 NYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 259

QY 121 ISKAKVQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 260 ISKAKGQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 319

QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 232
DB 320 PVLDSGGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 371

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RESULT 9
US-08-457-918-7

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; Sequence 7, Application US/08457918
; Patent No. 6117655
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,918
; FILING DATE: 1-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/236311
; FILING DATE: 02-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Kubinec, Jeffrey S.
; REGISTRATION NUMBER: 36,575
; REFERENCE/DOCKET NUMBER: P0444P1C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-8228
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-457-918-7

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Query Match 40.0%; Score 1225; DB 3; Length 371;
Best Local Similarity 97.0%; Pred. No. 2.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCAPPELLGGPSVFLPPTKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 140 EPKSCDKHTCCPCAPPELLGGPSVFLPPTKDTLMISRTPEVTCVVVDVSHEDPEVKF 199

QY 61 NYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMMGKVKCKVSNKALPAPIEKT 120
DB 200 NYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 259

QY 121 ISKAKVQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 260 ISKAKGQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 319

QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 232
DB 320 PVLDSGGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 371

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RESULT 10
US-09-180-100-22
; Sequence 22, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 6306395i0
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL FAS ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-22

Query Match 40.0%; Score 1225; DB 4; Length 376;
Best Local Similarity 97.0%; Pred. No. 2.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 145 EPKSCDKHTHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 204
Qy 61 NWYVDGVEVHNVKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
Db 205 NWYVDGVEVHNAKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 264
Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
Db 265 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 324
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVWHEALHNNHYQORSLSLSPGK 232
Db 325 PVLDSGDSFFLYSKLTVDKSRWQQGNVFCSCVWHEALHNNHYQORSLSLSPGK 376

RESULT 11
US-08-784-512-3
; Sequence 3, Application US/08784512
; Patent No. 5872209
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMUELLER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATERSON, Bruce
; APPLICANT: HUGHES, Clare
; TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; TITLE OF INVENTION: "Aggrecanase" in cell culture systems
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,512
; FILING DATE: 17-JAN-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96100682.2
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FILING DATE: 18-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 18748/311
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..396
US-08-784-512-3

Query Match 40.0%; Score 1225; DB 2; Length 396;
Best Local Similarity 97.0%; Pred. No. 2.4e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 165 EPKSCDKHTHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 224
Qy 61 NWYVDGVEVHNVKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
Db 225 NWYVDGVEVHNAKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 284
Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
Db 285 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 344
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVWHEALHNNHYQORSLSLSPGK 232
Db 345 PVLDSGDSFFLYSKLTVDKSRWQQGNVFCSCVWHEALHNNHYQORSLSLSPGK 396

RESULT 12
US-09-176-228-3
; Sequence 3, Application US/09176228
; Patent No. 6180334
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMUELLER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATERSON, Bruce
; APPLICANT: HUGHES, Clare
; TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; TITLE OF INVENTION: "Aggrecanase" in cell culture systems
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/176,228
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,512
; FILING DATE: 17-JAN-1997
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APPLICATION NUMBER: EP 96100682.2
FILING DATE: 18-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 18748/311
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..396
US-09-176-228-3

Query Match 40.0%; Score 1225; DB 3; Length 396;
Best Local Similarity 97.0%; Pred. No. 2.4e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 165 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 224

QY 61 NWYVDGVEVHNKTKRREQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIET 120
Db 225 NWYVDGVEVHNKTKRREQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIET 284

QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180
Db 285 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 344

QY 181 PVLDSVGSFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNYHQORSLSLSPGK 232
Db 345 PVLDSVGSFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNYHQORSLSLSPGK 396

RESULT 13
PCT-US95-03866-12
Sequence 12, Application PC/TUS9503866
GENERAL INFORMATION:
APPLICANT: CytoMed, Inc. (all states except US)
APPLICANT: Nocka, Karl (US only)
APPLICANT: Lobell, Robert B (US only)
TITLE OF INVENTION: STABILIZED DIMER OF KIT LIGAND AND
TITLE OF INVENTION: FLT-3/FLK-2 LIGAND
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Neave
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10020
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03866
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/220,379
FILING DATE: 28-MAR-1994
ATTORNEY/AGENT INFORMATION:

NAME: Haley Jr, James F
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: CytoMed/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 424 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-03866-12

Query Match 40.0%; Score 1225; DB 5; Length 424;
Best Local Similarity 97.0%; Pred. No. 2.7e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 193 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 252

QY 61 NWYVDGVEVHNKTKRREQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIET 120
Db 253 NWYVDGVEVHNKTKRREQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIET 312

QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180
Db 313 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 372

QY 181 PVLDSVGSFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNYHQORSLSLSPGK 232
Db 373 PVLDSVGSFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNYHQORSLSLSPGK 424

RESULT 14
PCT-US95-03866-14
Sequence 14, Application PC/TUS9503866
GENERAL INFORMATION:
APPLICANT: CytoMed, Inc. (all states except US)
APPLICANT: Nocka, Karl (US only)
APPLICANT: Lobell, Robert B (US only)
TITLE OF INVENTION: STABILIZED DIMER OF KIT LIGAND AND
TITLE OF INVENTION: FLT-3/FLK-2 LIGAND
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Neave
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10020
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03866
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/220,379
FILING DATE: 28-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Haley Jr, James F
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: CytoMed/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:

; LENGTH: 424 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-03866-14
Query Match
Best Local Similarity 40.0%; Score 1225; DB 5; Length 424;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 193 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 252
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVTLHQNWMNGKEYKCKVSNKALPAPIEKT 120
Db 253 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVTLHQNWMNGKEYKCKVSNKALPAPIEKT 312
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
Db 313 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 372
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNYQORSLSLSPGK 232
Db 373 PVLDSGSGFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNYQORSLSLSPGK 424

RESULT 15

PCT-US96-10043-11
; Sequence 11, Application PC/TUS9610043
; GENERAL INFORMATION:
; APPLICANT: The General Hospital Corporation
; TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02210-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10043
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,213
; FILING DATE: 14-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 00786/284001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 437 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US96-10043-11

Query Match

40.0%; Score 1225; DB 5; Length 437;

Best Local Similarity 97.0%; Pred. No. 2.8e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 206 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 265
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVTLHQNWMNGKEYKCKVSNKALPAPIEKT 120
Db 266 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVTLHQNWMNGKEYKCKVSNKALPAPIEKT 325
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
Db 326 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 385
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNYQORSLSLSPGK 232
Db 386 PVLDSGSGFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNYQORSLSLSPGK 437

Search completed: August 18, 2004, 01:23:26
Job time : 20 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 18, 2004, 01:22:06 ; Search time 50 Seconds
(without alignments)
3572.491 Million cell updates/sec

Title: US-09-847-208B-7
Perfect score: 3060
Sequence: 1 EPKSCDTHTCPCPAPELL.....HEAASPSQTVQRAVSNPK 569

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 1167132

Minimum DB seq length: 0
Maximum DB seq length: 569

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
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4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
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12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3060	100.0	569	10	US-09-847-208-7
2	3060	100.0	569	12	US-10-000-439-7
3	1766	57.7	427	10	US-09-847-208-5
4	1766	57.7	427	12	US-10-000-439-5
5	1766	57.7	428	9	US-09-916-230-1
6	1766	57.7	428	9	US-09-949-375A-1
7	1766	57.7	428	13	US-10-047-542-60
8	1755	57.4	441	9	US-09-949-375A-7
9	1707	55.8	320	10	US-09-847-208-6
10	1707	55.8	320	12	US-10-000-439-6
11	1707	55.8	323	9	US-09-949-375A-2
12	1707	55.8	323	9	US-09-949-375A-4
13	1707	55.8	323	9	US-09-949-375A-6
14	1707	55.8	331	9	US-09-401-636-1
15	1707	55.8	331	14	US-10-176-664-1

Sequence 329, Appl	331	14	US-10-207-655-329
Sequence 1, Appl	331	16	US-10-673-594-1
Sequence 26, Appl	426	14	US-10-214-524-26
Sequence 8, Appl	336	9	US-09-949-375A-8
Sequence 10, Appl	330	9	US-09-949-375A-10
Sequence 13, Appl	347	14	US-10-152-190-13
Sequence 12, Appl	347	14	US-10-152-190-12
Sequence 11, Appl	348	14	US-10-152-190-11
Sequence 10, Appl	346	14	US-10-152-190-10
Sequence 14, Appl	346	14	US-10-152-190-14
Sequence 3, Appl	232	10	US-09-847-208-3
Sequence 3, Appl	232	12	US-10-000-439-3
Sequence 2, Appl	330	10	US-09-847-208-2
Sequence 2, Appl	330	12	US-10-000-439-2
Sequence 52, Appl	526	12	US-10-385-802-52
Sequence 22, Appl	277	12	US-10-609-217-22
Sequence 22, Appl	277	12	US-10-632-388-22
Sequence 22, Appl	277	12	US-10-651-723-22
Sequence 22, Appl	277	12	US-10-645-761-22
Sequence 22, Appl	277	16	US-10-666-696-22
Sequence 22, Appl	277	16	US-10-653-048-22
Sequence 8, Appl	268	12	US-10-609-217-8
Sequence 8, Appl	268	12	US-10-632-388-8
Sequence 8, Appl	268	12	US-10-651-723-8
Sequence 8, Appl	268	12	US-10-645-761-8
Sequence 8, Appl	268	16	US-10-666-696-8
Sequence 8, Appl	268	16	US-10-653-048-8
Sequence 46, Appl	462	12	US-10-385-802-46
Sequence 9, Appl	379	12	US-10-679-999-9
Sequence 345, Appl	543	14	US-10-207-655-345

ALIGNMENTS

RESULT 1
US-09-847-208-7
; Sequence 7, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daoceng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4
; OTHER INFORMATION: (IGE)
US-09-847-208-7

Query Match	100.0%	Score	3060	DB	10	Length	569
Best Local Similarity	100.0%	Pred. No.	7.8e-208				
Matches	569	Conservative	0	Mismatches	0	Indels	0
Gaps	0						
QY	1	EPKSCDTHTCPCPAPELLGGPSVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60				
Db	1	EPKSCDTHTCPCPAPELLGGPSVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60				
QY	61	NWYDGVVHVKTPREQYNSYRVSVLTVLHQNMNNGKEYCKVSNKALPAPIEKT	120				
Db	61	NWYDGVVHVKTPREQYNSYRVSVLTVLHQNMNNGKEYCKVSNKALPAPIEKT	120				
QY	121	ISKAKYQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPESDIAWESNGQENNVKPTP	180				

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Db 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDI AVEWESNGQFENNYKTP 180
Qy 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSLSPGKVEGGGSG 240
Db 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSLSPGKVEGGGSG 240
Qy 241 GGGSGGGGFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVD 300
Db 241 GGGSGGGGFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVD 300
Qy 301 LSTASTTQEGELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKRCADSNPRGVA 360
Db 301 LSTASTTQEGELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKRCADSNPRGVA 360
Qy 361 YLSRPPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLT 420
Db 361 YLSRPPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLT 420
Qy 421 VTSITLVGTRDMIEGTQYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRD 480
Db 421 VTSITLVGTRDMIEGTQYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRD 480
Qy 481 KRTLACLIQNFPEPDISVQWLHNEVOLPDARHSTTQPRKTKSGGFFVSRLEVTRAWEQ 540
Db 481 KRTLACLIQNFPEPDISVQWLHNEVOLPDARHSTTQPRKTKSGGFFVSRLEVTRAWEQ 540
Qy 541 KDEFICRAVHEAASPSQTVORAVSVNPGK 569
Db 541 KDEFICRAVHEAASPSQTVORAVSVNPGK 569

RESULT 2
US-10-000-439-7
; Sequence 7, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
; OTHER INFORMATION: (IgG1) sequence and a CH2-CH3-CH4 (Ige) sequence
US-10-000-439-7

Query Match 100.0%; Score 3060; DB 12; Length 569;
Best Local Similarity 100.0%; Pred. No. 7.8e-208;
Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCCPPAPELGGPSVFLPPPKDPTLMISRTEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKHTCCPPAPELGGPSVFLPPPKDPTLMISRTEVTCVVDVSHEDPEVKF 60
Qy 61 NMVVDGVEVHNKTKPREEQYNSTRVSVLTVLQNMNNGKEYCKVSNKALPAPIEKT 120
Db 61 NMVVDGVEVHNKTKPREEQYNSTRVSVLTVLQNMNNGKEYCKVSNKALPAPIEKT 120
Qy 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDI AVEWESNGQFENNYKTP 180
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDI AVEWESNGQFENNYKTP 180
Qy 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSLSPGKVEGGGSG 240

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Db 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQORSLSLSPGKVEGGGSG 240
Qy 241 GGGSGGGGFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVD 300
Db 241 GGGSGGGGFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVD 300
Qy 301 LSTASTTQEGELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKRCADSNPRGVA 360
Db 301 LSTASTTQEGELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKRCADSNPRGVA 360
Qy 361 YLSRPPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLT 420
Db 361 YLSRPPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLT 420
Qy 421 VTSITLVGTRDMIEGTQYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRD 480
Db 421 VTSITLVGTRDMIEGTQYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRD 480
Qy 481 KRTLACLIQNFPEPDISVQWLHNEVOLPDARHSTTQPRKTKSGGFFVSRLEVTRAWEQ 540
Db 481 KRTLACLIQNFPEPDISVQWLHNEVOLPDARHSTTQPRKTKSGGFFVSRLEVTRAWEQ 540
Qy 541 KDEFICRAVHEAASPSQTVORAVSVNPGK 569
Db 541 KDEFICRAVHEAASPSQTVORAVSVNPGK 569

RESULT 3
US-09-847-208-5
; Sequence 5, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION:
US-09-847-208-5

Query Match 57.7%; Score 1766; DB 10; Length 427;
Best Local Similarity 78.0%; Pred. No. 1.6e-116;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Qy 129 REPOVYTLPPSRDELTKNOVSLT--CLVKGFPSPDI AVEWESNGQFENNYKTP-PVLDS 185
Db 3 QSPSVFPLTRCKNIPSNATSVTLGCLATGYFPEPVMVMTD-TGSLNGTMTLPATTLT 61
Qy 186 VGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHY-QORSLSLSPGKVEGGGSGGGS 244
Db 62 SGHVAISLTV-SGAWAK-QMFTCAVHTPSTVDNKTFSVC----- 104
Qy 245 GGGSGFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLSA 304
Db 105 --SRDFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLSA 162
Qy 305 STTQEGELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKRCADSNPRGVA 364
Db 163 STTQEGELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKRCADSNPRGVA 222
Qy 365 PSPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLT 424
Db 223 PSPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLT 282
Qy 425 LPVGTDRDIEGTQYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484

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Db 283 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 342
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 544
Db 343 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 402
QY 545 ICRVHAAASPSQTVQRAVSNPGK 569
Db 403 ICRVHAAASPSQTVQRAVSNPGK 427

RESULT 4
US-10-000-439-5
; Sequence 5, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-5

Query Match 57.7%; Score 1766; DB 12; Length 427;
Best Local Similarity 78.0%; Pred. No. 1.6e-116;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPVPSDIAVEWESNGQPENNYKTP-PVLDS 185
Db 3 QSPSVFPLTRCCCKNIPSNATSVILGCLATGYFPEPVVMTWDT-GSLNGITWTLPATLTL 61
QY 186 VGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYH-QQSLSLSPKVGEGGGGGGS 244
Db 62 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVNDKTF SVC----- 104
QY 245 GGGGSFTPTTKVILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTA 304
Db 105 --SRDFTPTTKVILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTA 162
QY 305 STTOGELASTQSELTLISQKHWLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 364
Db 163 STTOGELASTQSELTLISQKHWLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 222
QY 365 PSPDLFIRKSPPTITCLVLDLAPSKGTVNLTWASRAGKPVNHSTRKEEKORNGTLTVTST 424
Db 223 PSPDLFIRKSPPTITCLVLDLAPSKGTVNLTWASRAGKPVNHSTRKEEKORNGTLTVTST 282
QY 425 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 484
Db 283 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 342
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 544
Db 343 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 402
QY 545 ICRVHAAASPSQTVQRAVSNPGK 569
Db 403 ICRVHAAASPSQTVQRAVSNPGK 427

RESULT 5
US-09-916-230-1
; Sequence 1, Application US/09916230

; Patent No. US20020146422A1
; GENERAL INFORMATION:
; APPLICANT: Bachmann, Martin F.
; APPLICANT: Renner, Wolfgang A.
; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IgE
; TITLE OF INVENTION: Antibodies and Uses Thereof
; FILE REFERENCE: 1700.0140001
; CURRENT APPLICATION NUMBER: US/09/916,230
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: US 60/221,841
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-916-230-1

Query Match 57.7%; Score 1766; DB 9; Length 428;
Best Local Similarity 78.0%; Pred. No. 1.6e-116;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPVPSDIAVEWESNGQPENNYKTP-PVLDS 185
Db 4 QSPSVFPLTRCCCKNIPSNATSVILGCLATGYFPEPVVMTWDT-GSLNGITWTLPATLTL 62
QY 186 VGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYH-QQSLSLSPKVGEGGGGGGS 244
Db 63 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVNDKTF SVC----- 105
QY 245 GGGGSFTPTTKVILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTA 304
Db 106 --SRDFTPTTKVILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTA 163
QY 305 STTOGELASTQSELTLISQKHWLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 364
Db 164 STTOGELASTQSELTLISQKHWLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 223
QY 365 PSPDLFIRKSPPTITCLVLDLAPSKGTVNLTWASRAGKPVNHSTRKEEKORNGTLTVTST 424
Db 224 PSPDLFIRKSPPTITCLVLDLAPSKGTVNLTWASRAGKPVNHSTRKEEKORNGTLTVTST 283
QY 425 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 484
Db 284 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 343
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 544
Db 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 403
QY 545 ICRVHAAASPSQTVQRAVSNPGK 569
Db 404 ICRVHAAASPSQTVQRAVSNPGK 428

RESULT 6
US-09-949-375A-1
; Sequence 1, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: Klynsner, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:


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Db      301 HEAASPSQTVQRAVSNPGK 320
|||||
RESULT 10
US-10-000-439-6
; Sequence 6, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-6

Query Match      55.8%; Score 1707; DB 12; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.6e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 309
Db 1 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 60

QY 310 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSDTKKCADSNPRGVSAYLSRSPFD 369
Db 61 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSDTKKCADSNPRGVSAYLSRSPFD 120

QY 370 LFIKSPITICLVVDLAPSKGTVNLTSRASGKPNVHSTRKEEKQKNGTLTVSTLPVGT 429
Db 121 LFIKSPITICLVVDLAPSKGTVNLTSRASGKPNVHSTRKEEKQKNGTLTVSTLPVGT 180

QY 430 RDMIEGETYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
Db 181 RDMIEGETYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240

QY 490 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVTRAWEQKDEFICRAV 549
Db 241 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVTRAWEQKDEFICRAV 300

QY 550 HEAASPSQTVQRAVSNPGK 569
Db 301 HEAASPSQTVQRAVSNPGK 320
|||||

RESULT 11
US-09-949-375A-2
; Sequence 2, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 323
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (8)..(103)

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; OTHER INFORMATION: Human IgE heavy chain C2 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (112)..(211)
; OTHER INFORMATION: Human IgE heavy chain C3 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (216)..(317)
; OTHER INFORMATION: Human IgE heavy chain C4 domain
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (104)..(111)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (212)..(215)
; OTHER INFORMATION: Linker between domains C3 and C4
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (100)..(114)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (210)..(218)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (139)..(145)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (167)..(175)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (196)..(206)
; OTHER INFORMATION: Epitope in FG loop
; US-09-949-375A-2

Query Match      55.8%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 1.7e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 309
Db 4 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 63

QY 310 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSDTKKCADSNPRGVSAYLSRSPFD 369
Db 64 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSDTKKCADSNPRGVSAYLSRSPFD 123

QY 370 LFIKSPITICLVVDLAPSKGTVNLTSRASGKPNVHSTRKEEKQKNGTLTVSTLPVGT 429
Db 124 LFIKSPITICLVVDLAPSKGTVNLTSRASGKPNVHSTRKEEKQKNGTLTVSTLPVGT 183

QY 430 RDMIEGETYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
Db 184 RDMIEGETYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 243

QY 490 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVTRAWEQKDEFICRAV 549
Db 244 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVTRAWEQKDEFICRAV 303

QY 550 HEAASPSQTVQRAVSNPGK 569
Db 304 HEAASPSQTVQRAVSNPGK 323
|||||

RESULT 12
US-09-949-375A-4
; Sequence 4, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:

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; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 3.
US-09-949-375A-4

Query Match      55.8%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 1.7e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

250 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 309
4 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 63
310 GELASTQSELTLSQKHWSLDRYTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRSP 369
64 GELASTQSELTLSQKHWSLDRYTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRSP 123
370 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPVGT 429
124 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPVGT 183
430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLAC 489
184 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLAC 243
490 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 549
244 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 303
550 HEAASPSQTVQRAVSNPCK 569
304 HEAASPSQTVQRAVSNPCK 323

RESULT 13
US-09-949-375A-6
; Sequence 6, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 5.
US-09-949-375A-6

Query Match      55.8%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 1.7e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

250 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 309
4 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 63
310 GELASTQSELTLSQKHWSLDRYTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRSP 369
64 GELASTQSELTLSQKHWSLDRYTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRSP 123
370 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPVGT 429
124 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPVGT 183
430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLAC 489
184 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLAC 243
490 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 549
244 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 303
550 HEAASPSQTVQRAVSNPCK 569
304 HEAASPSQTVQRAVSNPCK 323

RESULT 14
US-09-401-636-1
; Sequence 1, Application US/09401636
; Patent No. US20010038843A1
; GENERAL INFORMATION:
; APPLICANT: Hellman, Lars T.
; TITLE OF INVENTION: ENHANCED VACCINES
; FILE REFERENCE: 10223/006001
; CURRENT APPLICATION NUMBER: US/09/401,636
; CURRENT FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: US 60/106,652
; PRIOR FILING DATE: 1998-11-02
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated proteins
US-09-401-636-1

Query Match      55.8%; Score 1707; DB 9; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.7e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

250 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 309
12 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 71
310 GELASTQSELTLSQKHWSLDRYTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRSP 369
72 GELASTQSELTLSQKHWSLDRYTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRSP 131
370 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPVGT 429
132 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPVGT 191
430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLAC 489
192 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLAC 251
490 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 549
252 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 311
550 HEAASPSQTVQRAVSNPCK 569
312 HEAASPSQTVQRAVSNPCK 331

RESULT 15
US-10-176-664-1
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; Sequence 1, Application US/10176664
; Publication No. US20030031663A1
; GENERAL INFORMATION:
; APPLICANT: Hellman, Lars T.
; TITLE OF INVENTION: ENHANCED VACCINES
; FILE REFERENCE: 10223/006001
; CURRENT APPLICATION NUMBER: US/10/176,664
; CURRENT FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: US/09/401,636
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: US 60/106,652
; PRIOR FILING DATE: 1998-11-02
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated proteins
; US-10-176-664-1

Query Match          55.8%; Score 1707; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.7e-112; Indels 0; Gaps 0;
Matches 320; Conservative 0; Mismatches 0;

QY 250 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDLSTATTQE 309
Db 12 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDLSTATTQE 71
QY 310 GELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKKCADSNPRGVSAYLSRPSFD 369
Db 72 GELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKKCADSNPRGVSAYLSRPSFD 131
QY 370 LFIKSPITITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLITVSTLPVGT 429
Db 132 LFIKSPITITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLITVSTLPVGT 191
QY 430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
Db 192 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 251
QY 490 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVPSRLLEVTRAWEQKDEFICRAV 549
Db 252 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVPSRLLEVTRAWEQKDEFICRAV 311
QY 550 HEAAPSQTQVRAVSNPCK 569
Db 312 HEAAPSQTQVRAVSNPCK 331
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Search completed: August 18, 2004, 01:28:16
Job time : 51 secs

Db 1 CADSNPRGVSAVLSRSPFDLIRKSPITCLVVDLAFSGTIVNLTWBRASGKPVNHSR 60
 QY 161 KEEKQRNGTLTSTLPGVTRDWIEGETVQCRVTHPHLPRLMRSTTTXSGP 212
 Db 61 KEEKQRNGTLTSTLPGVTRDWIEGETVQCRVTHPHLPRLMRSTTTXSGP 112

RESULT 2

US-08-399-106A-6
 ; Sequence 6, Application US/08399106A
 ; Patent No. 5731168
 ; GENERAL INFORMATION:
 ; APPLICANT: Carter, Paul J.
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Ridgway, John B.
 ; TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC
 ; POLYPEPTIDES
 ; NUMBER OF SEQUENCES: 16
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatin (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/399,106A
 ; FILING DATE: 01-Mar-1995
 ; CLASSIFICATION: 424
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lee, Wendy M.
 ; REGISTRATION NUMBER: 00,000
 ; REFERENCE/DOCKET NUMBER: P0927
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-9881
 ; TELEFAX: 415/952-9881
 ; TELEX: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 110 amino acids
 ; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 ; US-08-399-106A-6

Query Match 34.4%; Score 587; DB 1; Length 110;
 Best Local Similarity 100.0%; Pred. No. 4.5e-49;
 Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 211 GPRAAPEVFAFATPEWPGSRDKRTLACLQNFPEDISVQWLHNEVQLPDARHSTTPRK 270
 Db 1 GPRAAPEVFAFATPEWPGSRDKRTLACLQNFPEDISVQWLHNEVQLPDARHSTTPRK 60
 QY 271 TKSGGFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 320
 Db 61 TKSGGFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 110

RESULT 3

US-08-433-105A-6
 ; Sequence 6, Application US/08433105A
 ; Patent No. 5807706
 ; GENERAL INFORMATION:
 ; APPLICANT: Carter, Paul J.
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Ridgway, John B.
 ; TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES
 ; NUMBER OF SEQUENCES: 16

; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatin (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/433,105A
 ; FILING DATE: 03-May-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/399106
 ; FILING DATE: 01-Mar-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lee, Wendy M.
 ; REGISTRATION NUMBER: 00,000
 ; REFERENCE/DOCKET NUMBER: P0927D2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-1994
 ; TELEFAX: 415/952-9881
 ; TELEX: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 110 amino acids
 ; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 ; US-08-433-105A-6

Query Match 34.4%; Score 587; DB 1; Length 110;
 Best Local Similarity 100.0%; Pred. No. 4.5e-49;
 Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 211 GPRAAPEVFAFATPEWPGSRDKRTLACLQNFPEDISVQWLHNEVQLPDARHSTTPRK 270
 Db 1 GPRAAPEVFAFATPEWPGSRDKRTLACLQNFPEDISVQWLHNEVQLPDARHSTTPRK 60
 QY 271 TKSGGFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 320
 Db 61 TKSGGFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 110

RESULT 4

US-08-434-869A-6
 ; Sequence 6, Application US/08434869A
 ; Patent No. 5821333
 ; GENERAL INFORMATION:
 ; APPLICANT: Carter, Paul J.
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Ridgway, John B.
 ; TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES
 ; NUMBER OF SEQUENCES: 16
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatin (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/434,869A
 ; FILING DATE: 03-May-1995
 ; CLASSIFICATION: 424

;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/399106
;; FILING DATE: 01-MAR-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Lee, Wendy M.
;; REGISTRATION NUMBER: 00,000
;; REFERENCE/DOCKET NUMBER: P0927D1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415/225-1994
;; TELEFAX: 415/952-9881
;; TELEX: 910/371-7168
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 110 amino acids
;; TYPE: Amino Acid
;; TOPOLOGY: Linear
;; US-08-434-869A-6

Query Match 34.4%; Score 587; DB 2; Length 110;
Best Local Similarity 100.0%; Pred. No. 4.5e-49;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAPVYAFATPEWPGSDKRTLACIQNFMPEDISVQWLHNEVQLPDARHSTTQPRK 270
Db 1 GPRAAPVYAFATPEWPGSDKRTLACIQNFMPEDISVQWLHNEVQLPDARHSTTQPRK 60

QY 271 TKGSGFFVFSRLEVTRAWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 320
Db 61 TKGSGFFVFSRLEVTRAWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 110

RESULT 5
US-08-037-579A-2
; Sequence 2, Application US/08037579A
; Patent No. 5552537
; GENERAL INFORMATION:
; APPLICANT: Zhang, Ke
; APPLICANT: Max, Edward E
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/037,579A
; FILING DATE: 24-MAR-1993
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Rowland, Bertram I
; REGISTRATION NUMBER: 20,015
; REFERENCE/DOCKET NUMBER: A-57950/BIR UCLA-233
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299 FHT UR
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-037-579A-2

Query Match 34.0%; Score 581; DB 1; Length 109;
Best Local Similarity 100.0%; Pred. No. 1.7e-48;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEVYAFATPEWPGSDKRTLACIQNFMPEDISVQWLHNEVQLPDARHSTTQPRK 271
Db 1 PRAAPEVYAFATPEWPGSDKRTLACIQNFMPEDISVQWLHNEVQLPDARHSTTQPRK 60

QY 272 KSGGFFVFSRLEVTRAWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 320
Db 61 KSGGFFVFSRLEVTRAWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 109

RESULT 6
US-08-601-184-2
; Sequence 2, Application US/08601184
; Patent No. 6043345
; GENERAL INFORMATION:
; APPLICANT: Zhang, Ke
; APPLICANT: Max, Edward E
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/601,184
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J.
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: A-57950-1/PJS UCLA233-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 494-8700
; TELEFAX: (415) 494-8771
; TELEX: 910 277299 FHT UR
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-601-184-2

Query Match 34.0%; Score 581; DB 3; Length 109;
Best Local Similarity 100.0%; Pred. No. 1.7e-48;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEVYAFATPEWPGSDKRTLACIQNFMPEDISVQWLHNEVQLPDARHSTTQPRK 271
Db 1 PRAAPEVYAFATPEWPGSDKRTLACIQNFMPEDISVQWLHNEVQLPDARHSTTQPRK 60

QY 272 KSGGFFVFSRLEVTRAWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 320
Db 61 KSGGFFVFSRLEVTRAWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 109

RESULT 7
US-08-466-163B-1
; Sequence 1, Application US/08466163B
; Patent No. 6329509
; GENERAL INFORMATION:

;; APPLICANT: Jardieu, Paula M.
;; APPLICANT: Presta, Leonard G.
;; TITLE OF INVENTION: Immunoglobulin Variants
;; FILE REFERENCE: P0718P2C1D1
;; CURRENT APPLICATION NUMBER: US/08/466,163B
;; CURRENT FILING DATE: 1995-06-06
;; PRIOR APPLICATION NUMBER: US 08/405,617
;; PRIOR FILING DATE: 1995-03-15
;; PRIOR APPLICATION NUMBER: US 08/185,899
;; PRIOR FILING DATE: 1994-01-26
;; PRIOR APPLICATION NUMBER: US 07/879,495
;; PRIOR FILING DATE: 1992-05-07
;; PRIOR APPLICATION NUMBER: US 07/744,768
;; PRIOR FILING DATE: 1991-08-14
;; NUMBER OF SEQ ID NOS: 64
;; SEQ ID NO 1
;; LENGTH: 109
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-08-466-163B-1

Query Match 33.2%; Score 566.5; DB 4; Length 109;
Best Local Similarity 99.1%; Pred. No. 4.2e-47;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 103 DSNPRGVSAIYLRSPSPFDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKE 162
DB 1 DSNPRGVSAIYLRSPSPFDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKE 60
QY 163 EKQRNGTLTSTLTPVGTDRDIEGETYQCRVTHPHLPALMRSTTKTSGP 212
DB 61 EKQRNGTLTSTLTPVGTDRDIEGET-QCRVTHPHLPALMRSTTKTSGP 109

RESULT 8

US-09-802-096-1
;; Sequence 1, Application US/09802096
;; Patent No. 6685939
;; GENERAL INFORMATION:
;; APPLICANT: Jardieu, Paula M.
;; APPLICANT: Presta, Leonard G.
;; TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)
;; FILE REFERENCE: P0718P2C3US
;; CURRENT APPLICATION NUMBER: US/09/802,096
;; CURRENT FILING DATE: 2001-03-08
;; PRIOR APPLICATION NUMBER: US 08/405,617
;; PRIOR FILING DATE: 1995-03-15
;; PRIOR APPLICATION NUMBER: US 08/185,899
;; PRIOR FILING DATE: 1994-01-26
;; PRIOR APPLICATION NUMBER: PCT/US92/06860
;; PRIOR FILING DATE: 1992-08-14
;; PRIOR APPLICATION NUMBER: US 07/879,495
;; PRIOR FILING DATE: 1992-05-07
;; PRIOR APPLICATION NUMBER: US 07/744,768
;; PRIOR FILING DATE: 1991-08-14
;; NUMBER OF SEQ ID NOS: 64
;; SEQ ID NO 1
;; LENGTH: 109
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 4; Length 109;
Best Local Similarity 99.1%; Pred. No. 4.2e-47;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 103 DSNPRGVSAIYLRSPSPFDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKE 162
DB 1 DSNPRGVSAIYLRSPSPFDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKE 60
QY 163 EKQRNGTLTSTLTPVGTDRDIEGETYQCRVTHPHLPALMRSTTKTSGP 212
DB 61 EKQRNGTLTSTLTPVGTDRDIEGET-QCRVTHPHLPALMRSTTKTSGP 109

RESULT 9

US-08-232-539D-54
;; Sequence 54, Application US/08232539D
;; Patent No. 5965709
;; GENERAL INFORMATION:
;; APPLICANT: Presta, Leonard G.
;; APPLICANT: Jardieu, Paula M.
;; TITLE OF INVENTION: Ige Antagonists
;; NUMBER OF SEQUENCES: 60
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Genentech, Inc.
;; STREET: 1 DNA Way
;; CITY: South San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94080
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: WinPatIn (Genentech)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/232,539D
;; FILING DATE: 21-Apr-1994
;; CLASSIFICATION: 530
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/178583
;; FILING DATE: 07-JAN-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/744768
;; FILING DATE: 14-AUG-1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Svoboda, Craig G.
;; REGISTRATION NUMBER: 39,044
;; REFERENCE/DOCKET NUMBER: P0718P3
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 650/225-1489
;; TELEFAX: 650/952-9881
;; INFORMATION FOR SEQ ID NO: 54:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 106 amino acids
;; TYPE: Amino Acid
;; TOPOLOGY: Linear
US-08-232-539D-54

Query Match 32.6%; Score 556; DB 2; Length 106;
Best Local Similarity 100.0%; Pred. No. 4.2e-46;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 108 GVSAYLSRSPSPFDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKEKQBN 167
DB 1 GVSAYLSRSPSPFDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKEKQBN 60
QY 168 GTLTVTSTLTPVGTDRDIEGETYQCRVTHPHLPALMRSTTKTSGP 212
DB 61 GTLTVTSTLTPVGTDRDIEGETYQCRVTHPHLPALMRSTTKTSGP 105

RESULT 10

US-08-464-025A-1
;; Sequence 1, Application US/08464025A
;; Patent No. 5994514
;; GENERAL INFORMATION:
;; APPLICANT: Jardieu et al.
;; TITLE OF INVENTION: IMMUNOGLOBULIN VARIANTS
;; NUMBER OF SEQUENCES: 27
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Genentech, Inc.
;; STREET: 1 DNA Way
;; CITY: South San Francisco
;; STATE: California

```

; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,025A
; FILING DATE: 05-Jun-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P0718C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-464-025A-1

Query Match 30.8%; Score 526; DB 2; Length 119;
Best Local Similarity 90.7%; Pred. No. 3.8e-43;
Matches 107; Conservative 1; Mismatches 2; Indels 8; Gaps 4;

QY 103 DSNPRGVSAVLSRSPFD-LFIRKSPITICLVVDLAPSKGTVNLTSRAS---GKPVNHS 158
Db 2 DSNPRGVSAVLSRSPFDXLFIRKSPITICLVVDLAPSKGTVNLTSRASXXGKPVNHS 61

QY 159 TRKEEKQK---NGTLVTSTLPVGTDRDWIEGTYQCRVTHPHLPRAL-MRSTTKTSGP 212
Db 62 TRKEEKQKXNXXGTLVTSTLPVGTDRDWIEGTYQCRVTHPHLPRALXMRSTTKTSGP 119

RESULT 11
US-08-466-151-1
; Sequence 1, Application US/08466151
; Patent No. 6037453
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,151
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/466163
; FILING DATE: 06-Jun-1995
; APPLICATION NUMBER: 08/405617
; FILING DATE: 15-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/185899
; FILING DATE: 26-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/879495

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; FILING DATE: 07-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744768
; FILING DATE: 14-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P0718P2C1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 118 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-466-151-1

Query Match 29.8%; Score 508.5; DB 3; Length 118;
Best Local Similarity 89.8%; Pred. No. 1.8e-41;
Matches 106; Conservative 1; Mismatches 2; Indels 9; Gaps 5;

QY 103 DSNPRGVSAVLSRSPFD-LFIRKSPITICLVVDLAPSKGTVNLTSRAS---GKPVNHS 158
Db 2 DSNPRGVSAVLSRSPFDXLFIRKSPITICLVVDLAPSKGTVNLTSRASXXGKPVNHS 61

QY 159 TRKEEKQK---NGTLVTSTLPVGTDRDWIEGTYQCRVTHPHLPRAL-MRSTTKTSGP 212
Db 62 TRKEEKQKXNXXGTLVTSTLPVGTDRDWIEGTYQCRVTHPHLPRALXMRSTTKTSGP 118

RESULT 12
US-08-579-940-8
; Sequence 8, Application US/08579940
; Patent No. 5977315
; GENERAL INFORMATION:
; APPLICANT: Chatterjee, Malaya
; APPLICANT: Kohler, Heinz
; APPLICANT: Foon, Kenneth A.
; APPLICANT: Chatterjee, Sunil K.
; TITLE OF INVENTION: MURINE MONOCLONAL ANTI-IDIOTYPE ANTIBODY
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,940
; FILING DATE: 28-DEC-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Monroy, Gladys H.
; REGISTRATION NUMBER: 32,430
; REFERENCE/DOCKET NUMBER: 30414-20001.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 320 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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Query Match	20.9%	Score 356;	DB 3;	Length 235;
Best Local Similarity	33.3%	Pred. No. 2.5e-26;		
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QY	79	SDRTYTCQVTVQGHTEFDDSTKCC-ADSNPRGVSAVLSRSPED-LFIRKSPITICLAVDL	136	
Db	8	SDKTHTC-----PPCPAPELGGPSVLFPPPKDQLMISPTPEVTCVVDV	54	
QY	137	APSKGTVALTWSRAGSKPVNHSRKEBKQNGLTITVTLPLVQTRDWIEGETYQCRVTHP	196	
Db	55	SHEDDEVAFENYVDCVEVHNNAKTKPREQYNSTYRVVSVLTVLHQDLNKGKEYCKVSNK	114	
QY	197	HLPRALMGSTTKTGSPRAAPEVYAFATPEWPGSRDKRT-----LACLQNFWPEDIISVQW	251	
Db	115	ALPAPIEITIKANGPREPOVYTL-----PPSRDELTKNQVSLTCLVAGGFYPSDIAVEW	169	

RESULT 15
US-09-428-082B-10
; Sequence 10, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-PA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371

Search completed: August 18, 2004, 01:18:15
Job time : 19 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 18, 2004, 01:16:55 ; Search time 45 Seconds
(without alignments)

2232.371 Million cell updates/sec

Title: US-09-847-208B-6

Perfect score: 1707

Sequence: 1 FTPTVKILQSSCDGGGHPF.....HEAAPSQTQRAVSNPGK 320

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 933824

Minimum DB seq length: 0

Maximum DB seq length: 320

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.psp:*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.psp:*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.psp:*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.psp:*
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- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.psp:*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.psp:*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.psp:*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.psp:*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.psp:*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.psp:*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.psp:*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.psp:*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.psp:*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.psp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1707	100.0	320	10	US-09-847-208-6
2	1707	100.0	320	12	US-10-000-439-6
3	1171	68.6	220	16	US-10-704-406-3
4	1158	67.8	222	9	US-09-809-746-2
5	1158	67.8	222	10	US-09-809-715-6
6	1158	67.8	222	15	US-10-704-406-1
7	1011.5	59.3	236	14	US-10-152-190-9
8	602	35.3	115	14	US-10-152-190-4
9	581	34.0	109	14	US-10-214-524-41
10	570	33.4	107	14	US-10-214-524-42
11	566.5	33.2	109	9	US-09-802-077-1
12	566.5	33.2	109	9	US-09-802-096-1
13	566.5	33.2	109	10	US-09-925-179-1
14	554	32.5	129	14	US-10-152-190-6
15	551	32.3	108	14	US-10-152-190-8
Sequence 6, Appli					
Sequence 6, Appli					
Sequence 3, Appli					
Sequence 2, Appli					
Sequence 6, Appli					
Sequence 2, Appli					
Sequence 9, Appli					
Sequence 41, Appli					
Sequence 42, Appli					
Sequence 1, Appli					
Sequence 1, Appli					
Sequence 6, Appli					
Sequence 8, Appli					

16	526	30.8	128	14	US-10-152-190-7	Sequence 7, Appli
17	523	30.6	115	14	US-10-152-190-3	Sequence 3, Appli
18	513.5	30.1	117	14	US-10-152-190-2	Sequence 2, Appli
19	416.5	24.4	320	9	US-09-797-481-8	Sequence 8, Appli
20	392	22.5	234	14	US-10-292-418-33	Sequence 33, Appli
21	384	22.5	71	14	US-10-214-524-43	Sequence 43, Appli
22	373.5	21.9	114	14	US-10-152-190-1	Sequence 1, Appli
23	362	21.2	251	14	US-10-152-363A-31	Sequence 31, Appli
24	362	21.2	251	14	US-10-152-363A-33	Sequence 33, Appli
25	360	21.1	232	14	US-10-008-063-28	Sequence 28, Appli
26	360	21.1	232	14	US-10-008-063-32	Sequence 32, Appli
27	358.5	21.0	293	14	US-10-145-206-124	Sequence 124, App
28	358	21.0	251	14	US-10-152-363A-29	Sequence 29, Appli
29	358	21.0	251	14	US-10-152-363A-39	Sequence 39, Appli
30	357	20.9	250	14	US-10-152-363A-35	Sequence 35, Appli
31	357	20.9	252	14	US-10-145-206-118	Sequence 118, App
32	356.5	20.9	293	14	US-10-145-206-123	Sequence 123, App
33	356	20.9	228	12	US-10-466-593-3	Sequence 3, Appli
34	356	20.9	235	9	US-09-784-623-6	Sequence 6, Appli
35	356	20.9	247	12	US-10-609-217-12	Sequence 12, Appli
36	356	20.9	247	12	US-10-632-388-12	Sequence 12, Appli
37	356	20.9	247	12	US-10-651-723-12	Sequence 12, Appli
38	356	20.9	247	12	US-10-645-761-12	Sequence 12, Appli
39	356	20.9	247	16	US-10-666-696-12	Sequence 12, Appli
40	356	20.9	247	16	US-10-653-048-12	Sequence 12, Appli
41	356	20.9	269	12	US-10-609-217-10	Sequence 10, Appli
42	356	20.9	269	12	US-10-632-388-10	Sequence 10, Appli
43	356	20.9	269	12	US-10-651-723-10	Sequence 10, Appli
44	356	20.9	269	12	US-10-645-761-10	Sequence 10, Appli
45	356	20.9	269	16	US-10-666-696-10	Sequence 10, Appli

ALIGNMENTS

RESULT 1
US-09-847-208-6
; Sequence 6, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; IGB-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67,002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-6

Query Match		100.0%;	Score 1707;	DB 10;	Length 320;
Best Local Similarity		100.0%;	Pred. No. 1.8e-139;		
Matches 320;		Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	FTPTVKILQSSCDGGGHPFPIQLCLVSGVTPGTINITWLEDGQVMDVLDLASTTQEE	60		
Db	1	FTPTVKILQSSCDGGGHPFPIQLCLVSGVTPGTINITWLEDGQVMDVLDLASTTQEE	60		
Qy	61	GELASTQSELTLSQKEWLSDRYTCQVYQGHFFEDSTKCCADSNPRGVSAYLSRPSFD	120		
Db	61	GELASTQSELTLSQKEWLSDRYTCQVYQGHFFEDSTKCCADSNPRGVSAYLSRPSFD	120		
Qy	121	LFIRKSPITICLVVDLAPSKGTVNLWTSRAGKPNVHSTRKEEKQKNGTLTITSTLPVGT	180		
Db	121	LFIRKSPITICLVVDLAPSKGTVNLWTSRAGKPNVHSTRKEEKQKNGTLTITSTLPVGT	180		
Qy	181	RDWIEGETYQCRVTHPLPALMRSTTKTSGPRAAPEVVAFAFPEWPGSRDKHTLACLIQ	240		

Db 181 RDWIEGETYQCRVTHPLPALMRSTTKSGPRAAEVYAFATPEWPGSRDXTLACLIQ 240
QY 241 NFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300
Db 241 NFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300
QY 301 HEAASPSTQVQRAVSNPGK 320
Db 301 HEAASPSTQVQRAVSNPGK 320

RESULT 2

US-10-000-439-6
; Sequence 6, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-6

Query Match 100.0%; Score 1707; DB 12; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.8e-139;

Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGGHPPIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTTQE 60
Db 1 FTPTVKILQSSCDGGGHPPIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTTQE 60
QY 61 GELASTQSELTLSQKHLSDRYTTCVITYQHTFEDSTKCKADSNPRGVSAYLSRSPFDD 120
Db 61 GELASTQSELTLSQKHLSDRYTTCVITYQHTFEDSTKCKADSNPRGVSAYLSRSPFDD 120
QY 121 LFIRKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKORNGTLTSTLPVGT 180
Db 121 LFIRKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKORNGTLTSTLPVGT 180
QY 181 RDWIEGETYQCRVTHPLPALMRSTTKSGPRAAEVYAFATPEWPGSRDXTLACLIQ 240
Db 181 RDWIEGETYQCRVTHPLPALMRSTTKSGPRAAEVYAFATPEWPGSRDXTLACLIQ 240
QY 241 NFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300
Db 241 NFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300
QY 301 HEAASPSTQVQRAVSNPGK 320
Db 301 HEAASPSTQVQRAVSNPGK 320

RESULT 3

US-10-704-406-3
; Sequence 3, Application US/10704406
; Publication No. US2004013356A1
; GENERAL INFORMATION:
; APPLICANT: Jardtetzky, Theodore S.
; APPLICANT: Wurzburg, Beth A.
; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGE ANTIBODY AND
; FILE REFERENCE: AL-9-C2
; CURRENT APPLICATION NUMBER: US/10/704,406

; CURRENT FILING DATE: 2003-11-07
; PRIOR APPLICATION NUMBER: 09/809,746
; PRIOR FILING DATE: 2003-06-12
; PRIOR APPLICATION NUMBER: 60/234,877
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/189,403
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-704-406-3

Query Match 68.6%; Score 1171; DB 16; Length 220;
Best Local Similarity 100.0%; Pred. No. 3e-93;

Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 CADSNPRGVSAYLSRSPFDDLFIRKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTR 160
Db 1 CADSNPRGVSAYLSRSPFDDLFIRKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTR 60
QY 161 KEKORNGTLTSTLPVGTDRWIEGETYQCRVTHPLPALMRSTTKSGPRAAEVYAF 220
Db 61 KEKORNGTLTSTLPVGTDRWIEGETYQCRVTHPLPALMRSTTKSGPRAAEVYAF 120
QY 221 FATPEWPGSRDXTLACLIQNFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFS 280
Db 121 FATPEWPGSRDXTLACLIQNFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFS 180
QY 281 RLEVTRAWEQKDEFICRAVHEAASPSTQVQRAVSNPGK 320
Db 181 RLEVTRAWEQKDEFICRAVHEAASPSTQVQRAVSNPGK 220

RESULT 4

US-09-809-746-2
; Sequence 2, Application US/09809746
; Patent No. US20010039479A1
; GENERAL INFORMATION:
; APPLICANT: Jardtetzky, Theodore S.
; APPLICANT: Wurzburg, Beth A.
; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGE
; FILE REFERENCE: AL-9-C2
; CURRENT APPLICATION NUMBER: US/09/809,746
; CURRENT FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 60/234,877
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/189,403
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-809-746-2

Query Match 67.8%; Score 1158; DB 9; Length 222;
Best Local Similarity 100.0%; Pred. No. 4.1e-92;

Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 103 DSNPRGVSAYLSRSPFDDLFIRKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTRKE 162
Db 5 DSNPRGVSAYLSRSPFDDLFIRKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTRKE 64
QY 163 EKORNGTLTSTLPVGTDRWIEGETYQCRVTHPLPALMRSTTKSGPRAAEVYAF 222
Db 65 EKORNGTLTSTLPVGTDRWIEGETYQCRVTHPLPALMRSTTKSGPRAAEVYAF 124
QY 223 TPWPGRDXTLACLIQNFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFSRL 282

RESULT 10

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RESULT 12
US-09-802-096-1
; Sequence 1, Application US/09802096
; Patent No. US20010038839A1
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)
; FILE REFERENCE: P0718P2C3US
; CURRENT APPLICATION NUMBER: US/09/802,096
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 9; Length 109;
Best Local Similarity 99.1%; Pred. No. 2.9e-41;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVLDLAPSKGTVNLTWASRSGKPVNHSTRKE 162
DB 1 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVLDLAPSKGTVNLTWASRSGKPVNHSTRKE 60

QY 163 EKQKNGTLTVTSTLPGVTRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 212
DB 61 EKQKNGTLTVTSTLPGVTRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 13
US-09-925-179-1
; Sequence 1, Application US/09925179
; Publication No. US20030044858A1
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; TITLE OF INVENTION: Anti-IGE Antibodies (as amended)
; FILE REFERENCE: P0718P2C1D1C1US
; CURRENT APPLICATION NUMBER: US/09/925,179
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 08/466,163
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 68
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-179-1

Query Match 33.2%; Score 566.5; DB 10; Length 109;
Best Local Similarity 99.1%; Pred. No. 2.9e-41;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVLDLAPSKGTVNLTWASRSGKPVNHSTRKE 162
DB 1 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVLDLAPSKGTVNLTWASRSGKPVNHSTRKE 60

QY 163 EKQKNGTLTVTSTLPGVTRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 212
DB 61 EKQKNGTLTVTSTLPGVTRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 15
US-10-152-190-8
; Sequence 8, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamad A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines
; FILE REFERENCE: PC11011A
; CURRENT APPLICATION NUMBER: US/10/152,190
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 8
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Modified Human CH4 Domain
US-10-152-190-8

Query Match 32.3%; Score 551; DB 14; Length 108;
Best Local Similarity 93.5%; Pred. No. 6.2e-40;
Matches 101; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 213 RAAPVEVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTPRKT 272
DB 1 RAAPVEVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTPRKT 60

QY 273 GSGFFVFSRLVTRAEWQKDEFICRAVHEAASPSQTVQRAVSNVPGK 320
DB 61 GSGFFVFSRLVTRAEWQKDEFICRAVHEAASPSQTVQRAVSNVPGK 108
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Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVLDLAPSKGTVNLTWASRSGKPVNHSTRKE 162
DB 1 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVLDLAPSKGTVNLTWASRSGKPVNHSTRKE 60

QY 163 EKQKNGTLTVTSTLPGVTRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 212
DB 61 EKQKNGTLTVTSTLPGVTRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 14
US-10-152-190-6
; Sequence 6, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamad A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines
; FILE REFERENCE: PC11011A
; CURRENT APPLICATION NUMBER: US/10/152,190
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 6
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Baculovirus expressed human CH3 domain
US-10-152-190-6

Query Match 32.5%; Score 554; DB 14; Length 129;
Best Local Similarity 96.3%; Pred. No. 4.3e-40;
Matches 105; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 102 ADSNPRGVSAVLSRSPFDLFIKSPPTITCLVLDLAPSKGTVNLTWASRSGKPVNHSTRK 161
DB 21 ADSNPRGVSAVLSRSPFDLFIKSPPTITCLVLDLAPSKGTVNLTWASRSGKPVNHSTRK 80

QY 162 EKQKNGTLTVTSTLPGVTRDWIEGETYQCRVTHPHLPRALMRSTTKTS 210
DB 81 EKQKNGTLTVTSTLPGVTRDWIEGETYQCRVTHPHLPRALMRSTTKTS 129

RESULT 15
US-10-152-190-8
; Sequence 8, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamad A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines
; FILE REFERENCE: PC11011A
; CURRENT APPLICATION NUMBER: US/10/152,190
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 8
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Modified Human CH4 Domain
US-10-152-190-8

Query Match 32.3%; Score 551; DB 14; Length 108;
Best Local Similarity 93.5%; Pred. No. 6.2e-40;
Matches 101; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 213 RAAPVEVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTPRKT 272
DB 1 RAAPVEVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTPRKT 60

QY 273 GSGFFVFSRLVTRAEWQKDEFICRAVHEAASPSQTVQRAVSNVPGK 320
DB 61 GSGFFVFSRLVTRAEWQKDEFICRAVHEAASPSQTVQRAVSNVPGK 108
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Search completed: August 18, 2004, 01:22:56
Job time : 46 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 18, 2004, 00:59:34 ; Search time 18 seconds
(without alignments)
665.401 Million cell updates/sec

Title: US-09-847-208B-3
Perfect score: 1260
Sequence: 1 EPKSCDKTHCTCPAPPELL.....MHEALHHYQORSLSPGK 232

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 315000

Minimum DB seq length: 0
Maximum DB seq length: 232

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:**
1: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCUS COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1225	97.2	232	2	US-08-595-043A-50
2	1201	95.3	232	1	US-07-797-556-4
3	1201	95.3	232	1	US-08-225-989-4
4	1201	95.3	232	1	US-08-570-923-4
5	1201	95.3	232	1	US-08-580-014-4
6	1201	95.3	232	1	US-08-308-881-4
7	1201	95.3	232	2	US-09-058-263-4
8	1201	95.3	232	2	US-09-059-099-4
9	1201	95.3	232	3	US-09-058-264-4
10	1201	95.3	232	3	US-09-079-785-4
11	1201	95.3	232	4	US-09-455-962-4
12	1201	95.3	232	4	US-09-628-126-4
13	1201	95.3	232	5	PCT-US95-06530-4
14	1201	95.3	232	5	PCT-US95-15781-8
15	1195	94.8	228	4	US-09-428-082B-2
16	1195	94.8	228	4	US-09-847-249A-2
17	1195	94.8	229	4	US-09-122-144-2
18	1183	93.9	232	3	US-08-996-139-8
19	1183	93.9	232	3	US-08-995-659-8
20	1183	93.9	232	3	US-09-215-649A-8
21	1183	93.9	232	4	US-09-577-780-8
22	1183	93.9	232	4	US-09-577-800-8
23	1183	93.9	232	4	US-09-466-496-8
24	1183	93.9	232	4	US-09-871-856-8
25	1183	93.9	232	4	US-09-871-291-8
26	1183	93.9	232	4	US-09-877-650-8
27	1124	89.2	212	1	US-08-430-633-4

28	1124	89.2	212	2	US-08-620-694A-4	Sequence 4, Appli
29	1124	89.2	212	2	US-08-936-854-4	Sequence 4, Appli
30	1124	89.2	212	3	US-09-022-255-4	Sequence 4, Appli
31	1124	89.2	212	3	US-09-022-696-4	Sequence 4, Appli
32	1124	89.2	212	3	US-09-022-253-4	Sequence 4, Appli
33	1124	89.2	212	3	US-09-022-260-4	Sequence 4, Appli
34	1124	89.2	212	3	US-09-022-259-4	Sequence 4, Appli
35	1124	89.2	212	3	US-09-022-257-4	Sequence 4, Appli
36	1124	89.2	212	4	US-09-549-679-4	Sequence 4, Appli
37	784.5	62.3	229	4	US-09-579-845-12	Sequence 12, Appli
38	772	61.3	212	3	US-08-811-463-39	Sequence 39, Appli
39	614	48.7	116	2	US-08-232-539D-55	Sequence 55, Appli
40	575	45.6	110	3	US-08-444-644-21	Sequence 21, Appli
41	575	45.6	110	3	US-08-232-246A-21	Sequence 21, Appli
42	555	44.0	107	3	US-08-444-644-22	Sequence 22, Appli
43	555	44.0	107	3	US-08-232-246A-22	Sequence 22, Appli
44	551	43.7	110	3	US-08-444-644-38	Sequence 38, Appli
45	551	43.7	110	4	US-08-232-246A-38	Sequence 38, Appli

ALIGNMENTS

RESULT 1
US-08-595-043A-50
; Sequence 50, Application US/08595043A
; Patent No. 5935824
; GENERAL INFORMATION:
; APPLICANT: SCARLATO, GREGORY D.
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/595,043A
; FILING DATE: 31-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: SGAR-00371
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-595-043A-50

Query Match 97.2%; Score 1225; DB 2; Length 232;
Best Local Similarity 97.0%; Pred. No. 28-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYDGVVHNKTPREBQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
Db 61 NWYDGVVHNKTPREBQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

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QY 121 ISKAKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTIP 180
DB 121 ISKAKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTIP 180
QY 181 PVLDSVGSFLLYSKLTVDKSRWQQGNVFCSCVWHEALHNNHYQOORSLSPGK 232
DB 181 PVLDSVGSFLLYSKLTVDKSRWQQGNVFCSCVWHEALHNNHYQOORSLSPGK 232

RESULT 2
US-07-797-556-4
; Sequence 4, Application US/07797556
; Patent No. 5262522
; GENERAL INFORMATION:
; APPLICANT: Gearing, David P.
; TITLE OF INVENTION: Receptor for Oncostatin M and Leukemia
; TITLE OF INVENTION: Inhibitory Factor
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/797,556
; FILING DATE: 19911122
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2607
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-587-0606
; TELEFAX: 206-587-0430
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-797-556-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
Best Local Similarity 94.4%; Pred. No. 5.5e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPRSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDNMNGKEYCKVSNKALPAPIEKT 120
DB 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDLNGLKDYCKVSNKALPAPMQKT 120
QY 121 ISKAKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTIP 180
DB 121 ISKAKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTIP 180
QY 181 PVLDSVGSFLLYSKLTVDKSRWQQGNVFCSCVWHEALHNNHYQOORSLSPGK 232
DB 181 PVLDSVGSFLLYSKLTVDKSRWQQGNVFCSCVWHEALHNNHYQOORSLSPGK 232

RESULT 3
US-08-225-989-4
; Sequence 4, Application US/08225989
; Patent No. 5480981
; GENERAL INFORMATION:
; APPLICANT: Goodwin, Raymond G.
; APPLICANT: Smith, Craig A.
; APPLICANT: Armitage, Richard J.
; APPLICANT: Gruss, Hans-Jürgen
; TITLE OF INVENTION: No. 5480981el Cytokine That Binds CD30
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kathryn A. Seese, Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple 7.1
; SOFTWARE: Microsoft Word, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/225,989
; FILING DATE: 12 APRIL 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/966,775
; FILING DATE: 27-OCT-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 907,224
; FILING DATE: 01-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 899,660
; FILING DATE: 15-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 892,459
; FILING DATE: 02-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 889,717
; FILING DATE: 26-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2804-E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; TELEX: 756822
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-225-989-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
Best Local Similarity 94.4%; Pred. No. 5.5e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPRSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDNMNGKEYCKVSNKALPAPIEKT 120
DB 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDLNGLKDYCKVSNKALPAPMQKT 120
QY 121 ISKAKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTIP 180
DB 121 ISKAKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTIP 180
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181 PVLDVGFFLYSKLTVDKSRWQGVFSCSVMEALHNHYQQRSLSPGK 232
181 PVLDSDGFFLYSKLTVDKSRWQGVFSCSVMEALHNHYTKSLSPGK 232

RESULT 4
 US 08-570-923-4
 ; Sequence 4, Application US/08570923
 ; Patent No. 5677430
 ; GENERAL INFORMATION:
 ; APPLICANT: Goodwin, Raymond G.
 ; APPLICANT: Smith, Craig A.
 ; APPLICANT: Armitage, Richard J.
 ; APPLICANT: Grues, Hans-Jürgen
 ; TITLE OF INVENTION: No. 5677430el Cytokine That Binds CD30
 ; NUMBER OF SEQUENCES: 23

Query Match	95.3%;	Score 1201;	DB 1;	Length 232;
Best Local Similarity	94.4%;	Pred. No. 5.5e-114;		
Matches 219; Conservative	7;	Mismatches 6;	Indels 0;	Gaps 0;

Qy	61	NWYVDGVEVHNKTKPRREQNSTYRVVSVLTLHQVWNGKEYKCKYSNKALPAPIEKT	121
Db	61	NWYVDGVEVHNKTKPRREQNSTYRVVSVLTLHQDNLNGDKYKCKYSNKALPAPMQKT	120
Qy	121	TSKAKVQPREQVYTLPPSRDELTQKQVSLTCLVKGFPSPSDIAVESWGQSPENNYKTPP	180
Db	121	TSKAKGQPREQVYTLPPSRDELTQKQVSLTCLVKGFPYPRHTIAVESWGQSPENNYKTPP	180
Qy	181	PVLDSVSFFFLYSXLTVDKSRQWQGNVFCSCVMHEALHNHYQORSLSPGK	232
Db	181	PVLDSGDSFFFLYSXLTVDKSRWQWQGNVFCSCVMHEALHNHYTKQSLSLSPGK	232

RESULT 5
 US-08-580-014-4
 ; Sequence 4, Application US/08580014
 ; Patent No. 5753203
 ; GENERAL INFORMATION:
 ; APPLICANT: Goodwin, Raymond G.
 ; APPLICANT: Smith, Craig A.
 ; APPLICANT: Armitage, Richard J.
 ; APPLICANT: Gruss, Hans-Jurgen
 ; TITLE OF INVENTION: No. 5753203el Cytokine That Binds CD30
 ; NUMBER OF SEQUENCES: 23
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Kathryn A. Seese, Immunex Corporation
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: Washington
 ; COUNTRY: USA
 ; ZIP: 98101
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: Apple Macintosh
 ; OPERATING SYSTEM: Apple 7.1
 ; SOFTWARE: Microsoft Word, Version 5.1a
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/580,014
 ; FILING DATE: 20-DEC-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/225,989
 ; FILING DATE: 12 APRIL 1994
 ; APPLICATION NUMBER: US 07/966,775
 ; FILING DATE: 27-OCT-1992
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 907,224
 ; FILING DATE: 01-JUL-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 899,660
 ; FILING DATE: 15-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 892,459
 ; FILING DATE: 02-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 889,717
 ; FILING DATE: 26-MAY-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Seese, Kathryn A.
 ; REGISTRATION NUMBER: 32,172
 ; REFERENCE/DOCKET NUMBER: 2804-E
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206)587-0430
 ; TELEFAX: (206)233-0644
 ; TELEX: 756822
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 232 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180
Db 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232

RESULT 8
US-09-059-099-4
; Sequence 4, Application US/09059099
; Patent No. 5925740
; GENERAL INFORMATION:
; APPLICANT: Mosley, Bruce
; APPLICANT: Cosman, David J.
; TITLE OF INVENTION: Receptor for Oncostatin M
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple 7.1
; SOFTWARE: Microsoft Word, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/059,099
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/308,881
; FILING DATE: 12-SEP-1994
; APPLICATION NUMBER: US 08/249,553
; FILING DATE: 26-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2614-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; TELEX: 756822
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-059-099-4

Query Match 95.3%; Score 1201; DB 2; Length 232;
Best Local Similarity 94.4%; Pred. No. 5.5e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEYKCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180
Db 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232

RESULT 10
US-09-079-785-4
; Sequence 4, Application US/09079785

Db 181 PVLDSGSGFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232
RESULT 9
US-09-058-264-4
; Sequence 4, Application US/09058264
; Patent No. 6010886
; GENERAL INFORMATION:
; APPLICANT: Mosley, Bruce
; APPLICANT: Cosman, David J.
; TITLE OF INVENTION: Receptor for Oncostatin M
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple 7.1
; SOFTWARE: Microsoft Word, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/058,264
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/308,881
; FILING DATE: 12-SEP-1994
; APPLICATION NUMBER: US 08/249,553
; FILING DATE: 26-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2614-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; TELEX: 756822
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-058-264-4

Query Match 95.3%; Score 1201; DB 3; Length 232;
Best Local Similarity 94.4%; Pred. No. 5.5e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEYKCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180
Db 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232

RESULT 10
US-09-079-785-4
; Sequence 4, Application US/09079785

Patent No. 6143869
GENERAL INFORMATION:
APPLICANT: Goodwin, Raymond G.
APPLICANT: Smith, Craig A.
APPLICANT: Armitage, Richard J.
APPLICANT: Gruss, Hans-Jurgen
TITLE OF INVENTION: No. 6143869el Cytokine That Binds CD30
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kathryn A. Seese, Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/079,785
FILING DATE: 27-OCT-1992
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 907,224
FILING DATE: 01-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 899,660
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 892,459
FILING DATE: 02-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 889,717
FILING DATE: 26-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2804-E
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
TELEX: 756822
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-079-785-4
Query Match 95.3%; Score 1201; DB 3; Length 232;
Best Local Similarity 94.4%; Pred. No. 5.5e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
QY 1 EPKCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYDGVGVHNVKTPREEQYNSTYRVSVLTVLHQDWLNGDKYCKVKSNKALPAPIEKT 120
DB 61 NWYDGVGVHNVKTPREEQYNSTYRVSVLTVLHQDWLNGDKYCKVKSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
QY 181 PVLDVSGSFPLYSKLTVDKSRWQOGNVFSCVMHEALHNHYQOQSLSLSPGK 232
DB 181 PVLDVSGSFPLYSKLTVDKSRWQOGNVFSCVMHEALHNHYQOQSLSLSPGK 232

QY 181 PVLDVSGSFPLYSKLTVDKSRWQOGNVFSCVMHEALHNHYQOQSLSLSPGK 232
DB 181 PVLDVSGSFPLYSKLTVDKSRWQOGNVFSCVMHEALHNHYQOQSLSLSPGK 232
RESULT 11
US-09-455-962-4
Sequence 4, Application US/09455962
Patent No. 6524817
GENERAL INFORMATION:
APPLICANT: Mosley, Bruce
APPLICANT: Cosman, David J.
TITLE OF INVENTION: Receptor for Oncostatin M
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/455,962
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/058,264
FILING DATE:
APPLICATION NUMBER: US 08/249,553
FILING DATE: 26-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Seese, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2614-A
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
TELEX: 756822
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-455-962-4
Query Match 95.3%; Score 1201; DB 4; Length 232;
Best Local Similarity 94.4%; Pred. No. 5.5e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
QY 1 EPKCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYDGVGVHNVKTPREEQYNSTYRVSVLTVLHQDWLNGDKYCKVKSNKALPAPIEKT 120
DB 61 NWYDGVGVHNVKTPREEQYNSTYRVSVLTVLHQDWLNGDKYCKVKSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
QY 181 PVLDVSGSFPLYSKLTVDKSRWQOGNVFSCVMHEALHNHYQOQSLSLSPGK 232
DB 181 PVLDVSGSFPLYSKLTVDKSRWQOGNVFSCVMHEALHNHYQOQSLSLSPGK 232

RESULT 12
US-09-628-126-4
; Sequence 4, Application US/09628126
; Patent No. 6667039
; GENERAL INFORMATION:
; APPLICANT: Goodwin, Raymond G.
; APPLICANT: Smith, Craig A.
; APPLICANT: Armitage, Richard J.
; APPLICANT: Gruss, Hans-Jurgen
; TITLE OF INVENTION: No. 6667039el Cytokine That Birds CD30
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kathryn A. Seese, Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple 7.1
; SOFTWARE: Microsoft Word, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/628,126
; FILING DATE: 28-JULY-2000
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/570,923
; FILING DATE: 12-DEC-1995
; APPLICATION NUMBER: US/08/225,989
; FILING DATE: 12 APRIL 1994
; APPLICATION NUMBER: US 07/966,775
; FILING DATE: 27-OCT-1992
; APPLICATION NUMBER: US 907,224
; FILING DATE: 01-JUL-1992
; APPLICATION NUMBER: US 899,660
; FILING DATE: 15-JUN-1992
; APPLICATION NUMBER: US 892,459
; FILING DATE: 02-JUN-1992
; APPLICATION NUMBER: US 889,717
; FILING DATE: 26-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2804-E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; TELEX: 756822
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US-09-628-126-4

Query Match 95.3%; Score 1201; DB 4; Length 232;
Best Local Similarity 94.4%; Pred. No. 5.5e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
Qy 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Qy 61 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIEKT 120
Qy 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180
Db 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180

Qy 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYQOQSLSLSPGK 232
Db 181 PVLDSGSGFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTKLSLSLSPGK 232
RESULT 13
PCT-US95-06530-4
; Sequence 4, Application PC/TUS9506530
; GENERAL INFORMATION:
; APPLICANT: Mosley, Bruce
; APPLICANT: Cosman, David J.
; TITLE OF INVENTION: Receptor for Oncostatin M
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/06530
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/308,881
; FILING DATE: 09-SEP-1994
; APPLICATION NUMBER: US 08/249,553
; FILING DATE: 26-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Anderson, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2614-WO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; TELEX: 756822
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-06530-4

Query Match 95.3%; Score 1201; DB 5; Length 232;
Best Local Similarity 94.4%; Pred. No. 5.5e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
Qy 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Qy 61 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIEKT 120
Qy 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180
Db 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYQOQSLSLSPGK 232
Db 181 PVLDSGSGFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTKLSLSLSPGK 232

RESULT 14

PCT-US95-15781-8

Sequence 8, Application PC/TUS9515781
 GENERAL INFORMATION:
 APPLICANT: Cerretti, Douglas P.
 TITLE OF INVENTION: Cytokine Designated Lerk-7
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: System 7.1
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/15781
 FILING DATE: 05-DEC-1995
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/351,025
 FILING DATE: 06-DEC-1994
 CLASSIFICATION:
 APPLICATION NUMBER: US 08/396,946
 FILING DATE: 01-MAR-1995
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Anderson, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2829-WO
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 PCT-US95-15781-8

Query Match 95.3%; Score 1201; DB 5; Length 232;
 Best Local Similarity 94.4%; Pred. No. 5.5e-114;
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY	1	EPKSCDKTHTCPPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60
Db	1	EPKSCDKTHTCPPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60
QY	61	NTYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIET	120
Db	61	NTYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIET	120
QY	121	ISKAKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180
Db	121	ISKAKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180
QY	181	PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSLSPGK	232
Db	181	PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSLSPGK	232

RESULT 15

US-09-428-082B-2
 Sequence 2, Application US/09428082B
 Patent No. 6660843
 GENERAL INFORMATION:
 APPLICANT: FEIGE, ULRICH
 APPLICANT: LIU, CHUAN-PA
 APPLICANT: CHEETHAM, JANET C.

APPLICANT: BOONE, THOMAS CHARLES
 TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
 FILE REFERENCE: A-527
 CURRENT APPLICATION NUMBER: US/09/428,082B
 CURRENT FILING DATE: 1999-10-22
 PRIOR APPLICATION NUMBER: 60/105,371
 PRIOR FILING DATE: 1998-10-23
 NUMBER OF SEQ ID NOS: 1133
 SOFTWARE: Patent in version 3.1
 SEQ ID NO 2
 LENGTH: 228
 TYPE: PRT
 ORGANISM: HUMAN
 US-09-428-082B-2

Query Match 94.8%; Score 1195; DB 4; Length 228;
 Best Local Similarity 96.9%; Pred. No. 2.2e-113;
 Matches 220; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY	6	DKTHTCPPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD	65
Db	2	DKTHTCPPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD	61
QY	66	GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETISKAK	125
Db	62	GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETISKAK	121
QY	126	VQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPPVLD	185
Db	122	GQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPPVLD	181
QY	186	VGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSLSPGK	232
Db	182	DGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSLSPGK	228

Search completed: August 18, 2004, 01:13:09
 Job time : 19 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 18, 2004, 01:10:34 ; Search time 45 Seconds

(without alignments)
1618.469 Million cell updates/sec

Title: US-09-847-208B-3

Perfect score: 1260

Sequence: 1 EPKSCDKHTCCPCAPPELL.....MHEALNNHYQQRSLSPGK 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 796939

Minimum DB seq length: 0

Maximum DB seq length: 232

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
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7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
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9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09E_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	DB ID	Description
1	1260	100.0	232	10	US-09-847-208-3
2	1260	100.0	232	12	US-10-000-439-3
3	1225	97.2	232	9	US-09-996-357-10
4	1225	97.2	232	10	US-09-389-782-1
5	1225	97.2	232	16	US-10-617-619-7
6	1219	96.7	232	12	US-10-466-593-2
7	1219	96.7	232	14	US-10-071-499A-15
8	1219	96.7	232	14	US-10-020-354-83
9	1209	96.0	232	9	US-09-977-034-4
10	1209	96.0	232	12	US-10-419-058-6
11	1209	96.0	232	14	US-10-292-418-2
12	1201	95.3	232	14	US-10-313-135-4
13	1195	94.8	227	12	US-10-622-108-2
14	1195	94.8	227	15	US-10-269-695-60
15	1195	94.8	227	15	US-10-435-608-2

16	1195	94.8	227	15	US-10-410-998-60	Sequence 60, Appl
17	1195	94.8	228	9	US-09-847-217-2	Sequence 2, Appl
18	1195	94.8	228	9	US-09-840-727-2	Sequence 2, Appl
19	1195	94.8	228	10	US-09-847-249A-2	Sequence 2, Appl
20	1195	94.8	228	10	US-09-843-221A-2	Sequence 2, Appl
21	1195	94.8	228	10	US-09-840-669B-2	Sequence 2, Appl
22	1195	94.8	228	12	US-10-609-217-2	Sequence 2, Appl
23	1195	94.8	228	12	US-10-632-388-2	Sequence 2, Appl
24	1195	94.8	228	12	US-10-651-723-2	Sequence 2, Appl
25	1195	94.8	228	12	US-10-645-761-2	Sequence 2, Appl
26	1195	94.8	228	14	US-10-269-806-32	Sequence 32, Appl
27	1195	94.8	228	14	US-10-145-206-2	Sequence 2, Appl
28	1195	94.8	228	16	US-10-666-696-2	Sequence 2, Appl
29	1195	94.8	228	16	US-10-653-048-2	Sequence 2, Appl
30	1195	94.8	228	16	US-10-666-480-60	Sequence 60, Appl
31	1195	94.8	229	13	US-10-215-297-2	Sequence 2, Appl
32	1195	94.8	229	14	US-10-215-298-2	Sequence 2, Appl
33	1192.5	94.6	232	12	US-10-433-108-32	Sequence 32, Appl
34	1196	94.1	232	14	US-10-008-063-32	Sequence 32, Appl
35	1183	93.9	232	9	US-09-835-147-17	Sequence 17, Appl
36	1183	93.9	232	9	US-09-871-856-8	Sequence 8, Appl
37	1183	93.9	232	9	US-09-877-650-8	Sequence 8, Appl
38	1183	93.9	232	12	US-09-865-363-8	Sequence 8, Appl
39	1183	93.9	232	14	US-10-008-063-28	Sequence 28, Appl
40	1183	93.9	232	14	US-10-405-878-8	Sequence 8, Appl
41	1178	93.5	227	14	US-10-071-499A-16	Sequence 16, Appl
42	1166	92.5	232	14	US-10-274-638-5	Sequence 5, Appl
43	1165	92.5	223	14	US-10-135-636-3	Sequence 3, Appl
44	1158	91.9	224	10	US-09-972-218A-17	Sequence 17, Appl
45	1158	91.9	224	14	US-10-068-426-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1

US-09-847-208-3
; Sequence 3, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daoceng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: ICE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67, 002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 232
; TYPE: PPT
; ORGANISM: Homo sapiens
; US-09-847-208-3

Query Match	100.0%;	Score 1260;	DB 10;	Length 232;
Best Local Similarity	100.0%;	Pred. No. 1.2e-99;		
Matches 232;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	EPKSCDKHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60	
DB	1	EPKSCDKHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60	
QY	61	NYVDGVEVHNKTPREBOYNSTYRVVSVLTVLHQNWNGKYEKCKVSNKALPAPIEKT	120	
DB	61	NYVDGVEVHNKTPREBOYNSTYRVVSVLTVLHQNWNGKYEKCKVSNKALPAPIEKT	120	
QY	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTP	180	
DB	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTP	180	
QY	181	PVLDSVGSFFLSKLTVDKSRWQQGNVFCSVWHEALHNHYQQRSLSPGK	232	

Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232

RESULT 2

US-10-000-439-3
; Sequence 3, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-3

Query Match 100.0%; Score 1260; DB 12; Length 232;
Best Local Similarity 100.0%; Pred. No. 1.2e-99;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNVTKPREEQNSTYRVWSVLTCLVKGFPYSDIAVESNGQPNNTKTP 120
Db 61 NWYVDGVEVHNVTKPREEQNSTYRVWSVLTCLVKGFPYSDIAVESNGQPNNTKTP 120
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVESNGQPNNTKTP 180
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVESNGQPNNTKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232

RESULT 3

US-09-996-357-10
; Sequence 10, Application US/09996357
; Patent No. US20020133001A1
; GENERAL INFORMATION:
; APPLICANT: Gefter, Malcolm L
; APPLICANT: Isreal, David I
; APPLICANT: Joyal, John L
; APPLICANT: Gosselin, Michael
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR
; FILE REFERENCE: PPI-105
; CURRENT APPLICATION NUMBER: US/09/996,357
; CURRENT FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: 60/253,302
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/250,198
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/257,186
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-357-10

Query Match 97.2%; Score 1225; DB 9; Length 232;
Best Local Similarity 97.0%; Pred. No. 1.1e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNVTKPREEQNSTYRVWSVLTCLVKGFPYSDIAVESNGQPNNTKTP 120
Db 61 NWYVDGVEVHNVTKPREEQNSTYRVWSVLTCLVKGFPYSDIAVESNGQPNNTKTP 120
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFPYSDIAVESNGQPNNTKTP 180
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFPYSDIAVESNGQPNNTKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232

RESULT 4

US-09-389-782-1
; Sequence 1, Application US/09389782
; Publication No. US20030144187A1
; GENERAL INFORMATION:
; APPLICANT: Wooden, Scott K.
; APPLICANT: Mann, Michael B.
; APPLICANT: Dustan, Colin R.
; TITLE OF INVENTION: OPG Fusion Protein Compositions and Methods
; FILE REFERENCE: A-604
; CURRENT APPLICATION NUMBER: US/09/389,782
; CURRENT FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Human
US-09-389-782-1

Query Match 97.2%; Score 1225; DB 10; Length 232;
Best Local Similarity 97.0%; Pred. No. 1.1e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNVTKPREEQNSTYRVWSVLTCLVKGFPYSDIAVESNGQPNNTKTP 120
Db 61 NWYVDGVEVHNVTKPREEQNSTYRVWSVLTCLVKGFPYSDIAVESNGQPNNTKTP 120
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFPYSDIAVESNGQPNNTKTP 180
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFPYSDIAVESNGQPNNTKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232

RESULT 5

US-10-617-619-7
; Sequence 7, Application US/10617619
; Publication No. US20040110929A1
; GENERAL INFORMATION:
; APPLICANT: Bjorn, Soren E
; APPLICANT: Nicolaisen, Else M
; APPLICANT: Jorgensen, Anker S
; TITLE OF INVENTION: TF Binding Compound
; FILE REFERENCE: 6455.200-US

; CURRENT APPLICATION NUMBER: US/10/617,619
; CURRENT FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US 60/404,568
; PRIOR FILING DATE: 2002-08-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Human
; US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;
Best Local Similarity 97.0%; Pred. No. 1.1e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
DB 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180

QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSPGK 232
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSPGK 232

RESULT 6
US-10-466-593-2
; Sequence 2, Application US/10466593
; Publication No. US20040043457A1
; GENERAL INFORMATION:
; APPLICANT: Schumacher, Silke
; APPLICANT: Gillies, Stephen
; TITLE OF INVENTION: BIFUNCTIONAL FUSION PROTEINS WITH
; TITLE OF INVENTION: GLUCOCEREBROSIDASE ACTIVITY
; FILE REFERENCE: MER-108
; CURRENT APPLICATION NUMBER: US/10/466,593
; CURRENT FILING DATE: 2003-07-17
; PRIOR APPLICATION NUMBER: PCT/EP01/15328
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: EP 01101056.8
; PRIOR FILING DATE: 2001-01-18
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo Sapiens
; US-10-466-593-2

Query Match 96.7%; Score 1219; DB 12; Length 232;
Best Local Similarity 96.1%; Pred. No. 3.7e-96;
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
DB 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180

QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSPGK 232
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSPGK 232

DB 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSPGK 232
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSPGK 232

RESULT 7
US-10-071-499A-15
; Sequence 15, Application US/10071499A
; Publication No. US20030104406A1
; GENERAL INFORMATION:
; APPLICANT: WOLFMAN, NEIL
; APPLICANT: KHOR, SOO-PEANG
; TITLE OF INVENTION: MODIFIED AND STABILIZED GDF PROPEPTIDES AND USES THEREOF
; FILE REFERENCE: 08702-0100-00000
; CURRENT APPLICATION NUMBER: US/10/071,499A
; CURRENT FILING DATE: 2002-09-04
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-071-499A-15

Query Match 96.7%; Score 1219; DB 14; Length 232;
Best Local Similarity 96.1%; Pred. No. 3.7e-96;
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
DB 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180

QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSPGK 232
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQKSLSPGK 232

RESULT 8
US-10-020-354-83
; Sequence 83, Application US/10020354
; Publication No. US20030190311A1
; GENERAL INFORMATION:
; APPLICANT: DALL'ACQUA, WILLIAM
; APPLICANT: JOHNSON, LESLIE
; APPLICANT: WARD, ELIZABETH SALLY
; TITLE OF INVENTION: MOLECULES WITH EXTENDED HALF-LIVES, COMPOSITIONS AND USES THEREOF
; FILE REFERENCE: 10271-027
; CURRENT APPLICATION NUMBER: US/10/020,354
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/254,884
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/238,760
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 83
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-020-354-83

Query Match 96.7%; Score 1219; DB 14; Length 232;
Best Local Similarity 96.1%; Pred. No. 3.7e-96;

Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
 DB 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
 DB 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

QY 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTP 180
 DB 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTP 180

QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYTQKSLSLSPGK 232
 DB 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYTQKSLSLSPGK 232

RESULT 9
 US-09-977-034-4
 ; Sequence 4, Application US/09977034
 ; Patent No. US20020081664A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lo, Kin-Ming
 ; APPLICANT: Sun, Yaping
 ; APPLICANT: Gillies, Stephen D.
 ; TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as
 ; FILE REFERENCE: LEX-009
 ; CURRENT APPLICATION NUMBER: US/09/977,034
 ; CURRENT FILING DATE: 2001-10-11
 ; PRIOR APPLICATION NUMBER: US/09/575,503
 ; PRIOR FILING DATE: 2000-05-19
 ; PRIOR APPLICATION NUMBER: US 60/134,895
 ; PRIOR FILING DATE: 1999-05-19
 ; NUMBER OF SEQ ID NOS: 29
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 4
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-977-034-4

Query Match 96.0%; Score 1209; DB 9; Length 232;
 Best Local Similarity 95.7%; Pred. No. 2.7e-95;
 Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
 DB 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
 DB 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

QY 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTP 180
 DB 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTP 180

QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYTQKSLSLSPGK 232
 DB 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYTQKSLSLSPGK 232

RESULT 10
 US-10-419-058-6
 ; Sequence 6, Application US/10419058
 ; Publication No. US20040053366A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lo, Kin-Ming
 ; APPLICANT: Zhang, Jinyang
 ; APPLICANT: Gillies, Stephen D.

; TITLE OF INVENTION: Expression and Export of Anti-Obesity Proteins as Fc
 ; TITLE OF INVENTION: Fusion Proteins
 ; FILE REFERENCE: LEX-008
 ; CURRENT APPLICATION NUMBER: US/10/419,058
 ; CURRENT FILING DATE: 2003-04-18
 ; PRIOR APPLICATION NUMBER: US/09/479,508
 ; PRIOR FILING DATE: 2000-01-07
 ; PRIOR APPLICATION NUMBER: US 60/115,079
 ; PRIOR FILING DATE: 1999-01-07
 ; NUMBER OF SEQ ID NOS: 20
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 6
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-419-058-6

Query Match 96.0%; Score 1209; DB 12; Length 232;
 Best Local Similarity 95.7%; Pred. No. 2.7e-95;
 Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
 DB 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
 DB 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

QY 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTP 180
 DB 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTP 180

QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYTQKSLSLSPGK 232
 DB 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYTQKSLSLSPGK 232

RESULT 11
 US-10-292-418-2
 ; Sequence 2, Application US/10292418
 ; Publication No. US20030139365A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lo, Kin-Ming
 ; APPLICANT: Li, Yue
 ; APPLICANT: Gillies, Stephen D.
 ; TITLE OF INVENTION: Expression and Export of Angiogenesis Inhibitors as
 ; FILE REFERENCE: LEX-006C1
 ; CURRENT APPLICATION NUMBER: US/10/292,418
 ; CURRENT FILING DATE: 2002-11-12
 ; PRIOR APPLICATION NUMBER: 09/383,315
 ; PRIOR FILING DATE: 1999-08-25
 ; PRIOR APPLICATION NUMBER: US 60/097,883
 ; PRIOR FILING DATE: 1998-08-25
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-292-418-2

Query Match 96.0%; Score 1209; DB 14; Length 232;
 Best Local Similarity 95.7%; Pred. No. 2.7e-95;
 Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
 DB 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
 DB 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

Db 61 NWYDGVVHNKTPREQYNSTYRVSVTLVHLQDNLNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGYFSDIAVEVESNGQPENNYKTP 180
Db 121 ISKAKGQPREQVYTLPPSRDELTKNQVSLTCLVKGYFSDIAVEVESNGQPENNYKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQOQSLSLSPGK 232
Db 181 PVLDSGDSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQOQSLSLSPGK 232

RESULT 12

US-10-313-135-4
; Sequence 4, Application US/10313135
; Publication No. US20030109003A1
; GENERAL INFORMATION:
; APPLICANT: Mosley, Bruce
; Cosman, David J.
; TITLE OF INVENTION: Receptor for Oncostatin M
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple 7.1
; SOFTWARE: Microsoft Word, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/313,135
; FILING DATE: 06-Dec-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/058,264
; FILING DATE: <Unknown>

; APPLICATION NUMBER: US/08/308,881
; FILING DATE: 12-SEP-1994
; APPLICATION NUMBER: US 08/249,553
; FILING DATE: 26-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2614-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; TELEX: 756822

; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-313-135-4
Query Match 95.3%; Score 1201; DB 14; Length 232;
Best Local Similarity 94.4%; Pred. No. 1.3e-94;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 BPKSDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPRSDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYDGVVHNKTPREQYNSTYRVSVTLVHLQDNLNGKEYCKVSNKALPAPIEKT 120
Db 61 NWYDGVVHNKTPREQYNSTYRVSVTLVHLQDNLNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGYFSDIAVEVESNGQPENNYKTP 180

Db 121 ISKAKGQPREQVYTLPPSRDELTKNQVSLTCLVKGYFSDIAVEVESNGQPENNYKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQOQSLSLSPGK 232
Db 181 PVLDSGDSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQOQSLSLSPGK 232

RESULT 13

US-10-622-108-2
; Sequence 2, Application US/10622108
; Publication No. US20040063912A1
; GENERAL INFORMATION:
; APPLICANT: Blumberg, Richard S.
; Lencer, Wayne I.
; APPLICANT: Simister, Neil E.
; APPLICANT: Bitonti, Alan J.
; TITLE OF INVENTION: CENTRAL AIRWAY ADMINISTRATION FOR SYSTEMIC DELIVERY OF THERAPEUTIC
; FILE REFERENCE: S01383.70011.US
; CURRENT APPLICATION NUMBER: US/10/622,108
; CURRENT FILING DATE: 2003-07-17
; PRIOR APPLICATION NUMBER: US 10/435,608
; PRIOR FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: PCT/US02/21355
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 60/364,482
; PRIOR FILING DATE: 2002-03-15
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 227
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-622-108-2

Query Match 94.8%; Score 1195; DB 12; Length 227;
Best Local Similarity 96.9%; Pred. No. 4.1e-94;
Matches 220; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 6 DKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKENWYVD 65
Db 1 DKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKENWYVD 60
QY 66 GVEVHNKTPREEQYNSTYRVSVTLVHLQDNLNGKEYCKVSNKALPAPIEKTISKAK 125
Db 61 GVEVHNKTPREEQYNSTYRVSVTLVHLQDNLNGKEYCKVSNKALPAPIEKTISKAK 120
QY 126 VQPREQVYTLPPSRDELTKNQVSLTCLVKGYFSDIAVEVESNGQPENNYKTPPVLD 185
Db 121 GQPREQVYTLPPSRDELTKNQVSLTCLVKGYFSDIAVEVESNGQPENNYKTPPVLD 180
QY 186 VGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQOQSLSLSPGK 232
Db 181 DGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQOQSLSLSPGK 227

RESULT 14

US-10-269-695-60
; Sequence 60, Application US/10269695
; Publication No. US20030229023A1
; GENERAL INFORMATION:
; APPLICANT: OLINER, JONATHAN DANIEL
; APPLICANT: MIN, HOSUNG
; TITLE OF INVENTION: SPECIFIC BINDING AGENTS OF HUMAN ANGIOPOIETIN-2
; FILE REFERENCE: A-801A
; CURRENT APPLICATION NUMBER: US/10/269,695
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/414,155
; PRIOR FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: US 60/328,624
; PRIOR FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 359
; SOFTWARE: PatentIn version 3.1

Search completed: August 18, 2004, 01:17:46
Job time : 46 secs

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; SEQ ID NO 60
; LENGTH: 227
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human Fc IgG1
US-10-269-695-60

Query Match          94.8%; Score 1195; DB 15; Length 227;
Best Local Similarity 96.9%; Pred. No. 4.1e-94;
Matches 220; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 6 DKHTTCCPCAPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 65
Db 1 DKHTTCCPCAPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 60

QY 66 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEKCKVSNKALPAPIEKTISKAK 125
Db 61 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEKCKVSNKALPAPIEKTISKAK 120

QY 126 VQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 185
Db 121 GQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 180

QY 186 VGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
Db 181 DGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 227

RESULT 15
US-10-435-608-2
; Sequence 2, Application US/10435608
; Publication No. US2003023536A1
; GENERAL INFORMATION:
; APPLICANT: Blumberg, Richard S.
; APPLICANT: Lencer, Wayne I.
; APPLICANT: Simister, Neil E.
; APPLICANT: Bitonti, Alan J.
; TITLE OF INVENTION: CENTRAL AIRWAY ADMINISTRATION FOR SYSTEMIC DELIVERY OF THERAPEUTI
; FILE REFERENCE: S01983.70010.US
; CURRENT APPLICATION NUMBER: US/10/435,608
; CURRENT FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: PCT/US02/21335
; PRIOR FILING DATE: 2002-07-03
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 227
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-435-608-2

Query Match          94.8%; Score 1195; DB 15; Length 227;
Best Local Similarity 96.9%; Pred. No. 4.1e-94;
Matches 220; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 6 DKHTTCCPCAPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 65
Db 1 DKHTTCCPCAPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 60

QY 66 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEKCKVSNKALPAPIEKTISKAK 125
Db 61 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEKCKVSNKALPAPIEKTISKAK 120

QY 126 VQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 185
Db 121 GQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 180

QY 186 VGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
Db 181 DGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 227
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:56:48 ; Search time 22.8412 Seconds
(without alignments)
1286.060 Million cell updates/sec

Title: US-09-847-208B-7
Perfect score: 3060
Sequence: 1 EPKSCDKTHTCPPCPAPPELL.....HEAASPTQVQRAVSNPGK 569

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pap:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pap:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pap:*
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5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pap:*
6: /cgn2_6/ptodata/2/iaa/backfiles.pap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1273.5	41.6	711	4	US-09-485-737B-90
2	1247	40.8	277	4	US-09-428-082B-22
3	1243	40.6	268	4	US-09-428-082B-8
4	1232	40.3	660	3	US-09-181-706-8
5	1232	40.3	660	3	US-09-458-791-8
6	1232	40.3	660	3	US-09-459-066-8
7	1232	40.3	660	4	US-09-459-066-8
8	1226	40.1	253	4	US-09-428-082B-16
9	1225	40.0	232	2	US-08-595-043A-50
10	1225	40.0	331	3	US-09-178-869-2
11	1225	40.0	331	4	US-09-761-413-2
12	1225	40.0	360	4	US-09-180-100-11
13	1225	40.0	371	1	US-08-236-311-7
14	1225	40.0	371	3	US-08-457-918-7
15	1225	40.0	376	4	US-09-180-100-22
16	1225	40.0	396	2	US-08-784-512-3
17	1225	40.0	396	3	US-09-176-228-3
18	1225	40.0	424	5	PCT-US95-03866-12
19	1225	40.0	424	5	PCT-US95-03866-14
20	1225	40.0	437	5	PCT-US96-10043-11
21	1225	40.0	442	4	US-08-472-888A-7
22	1225	40.0	442	5	PCT-US96-10043-9
23	1225	40.0	446	3	US-08-397-411-7
24	1225	40.0	449	1	US-08-458-516-13
25	1225	40.0	459	1	US-08-101A-7
26	1225	40.0	475	4	US-09-740-002-27
27	1225	40.0	476	2	US-08-378-939-10

28	1225	40.0	476	3	US-08-487-550-4	Sequence 4, Appl
29	1225	40.0	476	3	US-08-487-550-12	Sequence 12, Appl
30	1225	40.0	476	4	US-09-526-098-4	Sequence 4, Appl
31	1225	40.0	476	4	US-09-526-098-12	Sequence 12, Appl
32	1225	40.0	478	3	US-08-487-550-8	Sequence 8, Appl
33	1225	40.0	478	4	US-09-526-098-8	Sequence 8, Appl
34	1225	40.0	497	4	US-09-499-846-6	Sequence 6, Appl
35	1225	40.0	525	4	US-09-499-846-4	Sequence 4, Appl
36	1225	40.0	547	4	US-09-746-359A-54	Sequence 54, Appl
37	1225	40.0	571	4	US-09-746-359A-53	Sequence 53, Appl
38	1225	40.0	592	4	US-09-313-942-8	Sequence 8, Appl
39	1225	40.0	622	4	US-09-499-846-2	Sequence 2, Appl
40	1225	40.0	859	4	US-09-313-942-7	Sequence 7, Appl
41	1225	40.0	951	4	US-09-313-942-9	Sequence 9, Appl
42	1224	40.0	475	4	US-09-740-002-25	Sequence 25, Appl
43	1221	39.9	462	4	US-09-289-942A-7	Sequence 7, Appl
44	1220	39.9	254	2	US-08-284-391B-33	Sequence 33, Appl
45	1220	39.9	254	3	US-09-218-950-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1
US-09-485-737B-90
; Sequence 90, Application US/09485737B
; Patent No. 6350860
; GENERAL INFORMATION:
; APPLICANT: Buyse, Marie-Ange
; APPLICANT: Sablon, Erwin
; TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
; TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS
; FILE REFERENCE: INNS:015
; CURRENT APPLICATION NUMBER: US/09/485,737B
; CURRENT FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: PCT/EP 98/05165
; PRIOR FILING DATE: 1998-08-14
; PRIOR APPLICATION NUMBER: EPO 98870139.7
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: EPO 97870122.5
; PRIOR FILING DATE: 1997-08-18
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 90
; LENGTH: 711
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: SYNTHETIC
US-09-485-737B-90

Query Match 41.6%; Score 1273.5; DB 4; Length 711;
Best Local Similarity 50.1%; Pred. No. 4.6e-99;
Matches 286; Conservative 45; Mismatches 109; Indels 131; Gaps 16;

QY	1	EPKSCDKTHTCPPCPAPPELLGGPSVFLPPLPKKDITLMISRTPEVTCVVVDVSHEDDEVK	60
DB	236	EPKSCDKTHTCPPCPAPPELLGGPSVFLPPLPKKDITLMISRTPEVTCVVVDVSHEDDEVK	295
QY	61	NWYDGVGVHVNKTREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK	120
DB	296	NWYDGVGVHVNKTREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK	355
QY	121	ISKAKVQPREPQVYTLPPSRBELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTP	180
DB	356	ISKAKVQPREPQVYTLPPSRBELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTP	415
QY	181	PVLDSVGSFLLYSKLTVDKSRMQQGNVFCSCVNHHEALHNYQORSLSLSPGVEGGSG	240
DB	416	PVLDSVGSFLLYSKLTVDKSRMQQGNVFCSCVNHHEALHNYQORSLSLSPGVEGGSG	468
QY	241	GGSGGGSGFTPTTKILQSSCD---GGGHFPPTIQLCLVSGYTPGTINITWLED---	293

Db 469 -----CGGS-----QVQLVQSGSELKKPGA-----SVKISCKASGYTFDTYGMNWNVQKAPG 514
QY 294 -----GQVMDVD-----LSTASTTQEGELASTOSELTLQSKHWLSDRT 331
Db 515 QGLKMGWINTVYGSTYVDDFKGFVSLDTSVAAYLQISSLKAEAT-----AT 565
QY 332 YTC-----QVYQGHTEFEDSTKKCADSNPRGSAYLSRPSFDLFIKSPFTITCLVVDL 385
Db 566 YFCARRGFVMDYWG-----QGTIVTVSSGGSGGGGGGSDIVLQSPA-----613
QY 386 APSKGTVNLTWASRASKPVNSTRKEKQBNGLTVTSTLPVGRDWDIEGETYQCRVTHP 445
Db 614 -----TMGASPERV-----TLTCSASSISYFWTHQRPQS-----646
QY 446 HLPRLMRSTTK-TSGFRAPEVYAFATPEWPGSRDKETLACLQNFMPDISVQWLNE 504
Db 647 --PRLIYDTSNLASGVA-----RFGSGSGTSYSLSITSRMEPDEFATVFCQS 694
QY 505 VQLPDARHSTTQPRKTKSGGFFVFSLEVTR 535
Db 695 SSYP-----FTFGQ-----TKLEIKR 711

RESULT 2
US-09-428-082B-22
; Sequence 22, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 22
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FC-EMP-EMP
US-09-428-082B-22

Query Match 40.8%; Score 1247; DB 4; Length 277;
Best Local Similarity 81.8%; Pred. No. 2e-97;
Matches 239; Conservative 7; Mismatches 12; Indels 34; Gaps 5;
QY 6 DKHTCTCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVD 65
Db 2 DKHTCTCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVD 61
QY 66 GVEVHNKTKPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK 125
Db 62 GVEVHNKTKPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK 121
QY 126 VQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 185
Db 122 GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 181
QY 186 VGSFFLYSKLTVDKSRWQQGNVSCVMHEALHNYHQSLSPGKVEGGGSG-----240
Db 182 DGSFFLYSKLTVDKSRWQQGNVSCVMHEALHNYHQSLSPGKVEGGGSGTYS 239
QY 241 -----GGSGGGSGSFTPTVKILQSSCDGGGHPPTIQLCLVSG 280
Db 240 HFGPLTWVCKPQGGGGGGGT-----SC-----HFGP-LTWVCKPQ 276

RESULT 3
US-09-428-082B-8
; Sequence 8, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 8
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FC-TMP-TMP
US-09-428-082B-8

Query Match 40.6%; Score 1243; DB 4; Length 268;
Best Local Similarity 88.9%; Pred. No. 4.1e-97;
Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;
QY 6 DKHTCTCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVD 65
Db 2 DKHTCTCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVD 61
QY 66 GVEVHNKTKPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK 125
Db 62 GVEVHNKTKPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK 121
QY 126 VQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 185
Db 122 GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 181
QY 186 VGSFFLYSKLTVDKSRWQQGNVSCVMHEALHNYHQSLSPGKVEGGGSG-----240
Db 182 DGSFFLYSKLTVDKSRWQQGNVSCVMHEALHNYHQSLSPGKVEGGGSGTYS 241
QY 241 -----GGSGGGSGSFTPTVK 256
Db 242 WLAARAGGGGGGGGIEGPTLR 262

RESULT 4
US-09-181-706-8
; Sequence 8, Application US/09181706
; Patent No. 6130068
; GENERAL INFORMATION:
; APPLICANT: Melanie K. Spriggs, Michael R. Comeau,
; APPLICANT: Robert F. DuBoise, Richard S. Johnson
; TITLE OF INVENTION: VIRAL ENCODED SEMAPHORIN PROTEIN
; TITLE OF INVENTION: RECEPTOR DNA AND POLYPEPTIDES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janis C. Henry
; STREET: 51 University St.
; CITY: Seattle
; STATE: WA
; COUNTRY: US
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

Query Match 40.3%; Score 1232; DB 3; Length 660;
Best Local Similarity 93.0%; Pred. No. 1.3e-95;
Matches 227; Conservative 7; Mismatches 8; Indels 2; Gaps 1;

Qy		1	EPKSCDKTHTCPPCPAPELIGGPSVFLFPKPCKDTLMSRTPEVTCVVVDVSHEDDEVKF	60
	:		: : :	
Db		32	DKRSCDKHTHCTPPCPAPEAGAPSVFLFPKPCKDTLMSRTPEVTCVVVDVSHEDDEVKF	91
	:		: : :	
Qy		61	NWYDGVGEVHNKTKPREEQNSYRVSVLTVLHQNMNGKEYCKCVSNKALPAPIEKT	120
	:		: : :	
Db		92	NWYDGVGEVHNKTKPREEQNSYRVSVLTVLHQDLNGKEYCKCVSNKALPAPIEKT	151
	:		: : :	
Qy		121	ISKAKVPREPQVYTLPPSRDELTKNOVSITCLVKGYPSDIAEVNESNGQPENNYKTPP	180
	:		: : :	
Db		152	ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAEVNESNGQPENNYKTPP	211
	:		: : :	
Qy		181	PVLDSVGSGFFLYSKLTVDKSRWQQGNVFPCSVMHEALHHYQQRSLSPGKVGGGGSG	240
	:		: : :	
Db		212	PVLSDSGSGFFLYSKLTVDKSRWQQGNVFPCSVMHEALHHYQQRSLSPGK--GGGGSG	269
	:		: : :	
Qy		241	GGS 244	
	:		: : :	
Db		270	GGS 273	
	:		: : :	

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1  RESULT 6
2  US-09-459-066-8
3  / Sequence 8, Application US/09459066
4  / Patent No. 6187909
5  / GENERAL INFORMATION:
6  / APPLICANT: Spriggs, Melanie
7  / TITLE OF INVENTION: VIRAL ENCODED SEMAPHORIN PROTEIN
8  / TITLE OF INVENTION: RECEPTOR DNA AND POLYPEPTIDES
9  / NUMBER OF SEQUENCES: 10
10 / CORRESPONDENCE ADDRESS:
11 / ADDRESSEE: Janis C. Henry
12 / STREET: 51 University St.
13 / CITY: Seattle
14 / STATE: WA
15 / COUNTRY: US
16 / ZIP: 98101
17 / COMPUTER READABLE FORM:
18 / MEDIUM TYPE: Floppy disk
19 / COMPUTER: IBM PC compatible
20 / OPERATING SYSTEM: MS-DOS/Windows 95
21 / SOFTWARE: Word for Windows 95, 7.0a
22 / CURRENT APPLICATION DATA:
23 / APPLICATION NUMBER: US/09/459,066
24 / FILING DATE:

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; NAME: Henry, Janis C
; REGISTRATION NUMBER: 34,347
; REFERENCE/DOCKET NUMBER: 2631
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)470-4189
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 660 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-459-065-8

Query Match 40.3%; Score 1232; DB 4; Length 660;
Best Local Similarity 93.0%; Pred. No. 1.3e-95;
Matches 227; Conservative 7; Mismatches 8; Indels 2; Gaps 1

QY 1 EPKCDKTHTCPCCPAPELGGSPVFLFPKPKDTLMI SRTPEVTCVVVDVSHEDPEVKF 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 32 DKRSCKDTHTCPCCPAPEARGAPSVFLFPKPKDTLMI SRTPEVTCVVVDVSHEDPEVKF 91
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 61 NWYVDGVEVHNKTKPREEOYNTYRWVSVLTVLHONWNGKEYCKKYSNKKALPAPIEKT 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 92 NWYVDGVEVHNKTKPREEOYNTYRWVSVLTVLHQDWLNGKEYCKKYSNKKALPAPIEKT 151
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 121 ISKAKVQPREPQVYTLPPSPRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 180
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 152 ISKAKGQPREPQVYTLPPSPREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 211
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYOQRSLSISPGKVEGGGSG 240
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 212 PVLDSGSGFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTKLSLSISPGK--GGGSG 269
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 241 GGGS 244
   : : : : :
Db 270 GGGS 273
   : : : : :

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```

RESULT 8
US-09-428-082B-16
; Sequence 16, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-PA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FC-EMP
US-09-428-082B-16

Query Match 40.1%; Score 1226; DB 4; Length 253;
Best Local Similarity 84.7%; Pred. No. 1e-95;
Matches 233; Conservative 7; Mismatches 11; Indels 24; Gaps 4

QY 6 DKHTCTPCPAPELLGGPSVFLFPPPKKQDTLMISRTPEVTCVVVDVSHEDPEVKFNWYD 65
DB 2 DKHTCTPCPAPELLGGPSVFLFPPPKKQDTLMISRTPEVTCVVVDVSHEDPEVKFNWYD 61
OV 66 GVEVHNWVKTRPREEQYNSTYRVVSVLTVLHQNWNGKQVCKVKSKALPAPTEKTSKAK 125

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Db 121 GVEVHNATKPREQYNSTYRWSVLTVLHODWLNKKEYCKVSNKALPAPIEKTISKAK 121
QY 126 VQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPPVLD 185
Db 122 QPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPPVLD 181
QY 186 VGSFLLYSLKLTVDKSRWQQGNVFCVSNVHEALHNYHQRSLSLSPGKGGGGGG 245
Db 182 DGSFLLYSLKLTVDKSRWQQGNVFCVSNVHEALHNYHQRSLSLSPGK-----GGGG 232
QY 246 GGSFPTPTVKILQSSCDGGGHPPTQLCLVSG 280
Db 233 GGGTY-----SC-----HFGP-LTWVCKPQG 252

RESULT 9

US-08-595-043A-50
; Sequence 50, Application US/08595043A
; Patent No. 5935824
; GENERAL INFORMATION:
; APPLICANT: SGARLATO, GREGORY D.
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/595,043A
; FILING DATE: 31-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: SGAR-00371
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-595-043A-50

Query Match 40.0%; Score 1225; DB 2; Length 232;
Best Local Similarity 97.0%; Pred. No. 1.1e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPPCAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCPPCAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTPREEQYNSTYRWSVLTVLHONNMNGKEYCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTPREEQYNSTYRWSVLTVLHODWLNKKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 121 ISKAKQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
QY 181 PVLDSDGSFLLYSLKLTVDKSRWQQGNVFCVSNVHEALHNYHQRSLSLSPGK 232

Db 181 PVLDSDGSFLLYSLKLTVDKSRWQQGNVFCVSNVHEALHNYHQRSLSLSPGK 232
RESULT 10
US-09-178-869-2
; Sequence 2, Application US/09178869B
; Patent No. 6197294
; GENERAL INFORMATION:
; APPLICANT: Tao, Weng
; APPLICANT: Wong, Shou
; APPLICANT: Hickey, William F.
; APPLICANT: Hamang, Joseph P.
; APPLICANT: Baetge, E. Edward
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION
; FILE REFERENCE: 17810-043
; CURRENT APPLICATION NUMBER: US/09/178,869B
; CURRENT FILING DATE: 1998-10-26
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-178-869-2

Query Match 40.0%; Score 1225; DB 3; Length 331;
Best Local Similarity 97.0%; Pred. No. 1.9e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPPCAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 100 EPKSCDKTHTCPPCAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 159
QY 61 NWYVDGVEVHNKTPREEQYNSTYRWSVLTVLHONNMNGKEYCKVSNKALPAPIEKT 120
Db 160 NWYVDGVEVHNKTPREEQYNSTYRWSVLTVLHODWLNKKEYCKVSNKALPAPIEKT 219
QY 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 220 ISKAKQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 279
QY 181 PVLDSDGSFLLYSLKLTVDKSRWQQGNVFCVSNVHEALHNYHQRSLSLSPGK 232
Db 280 PVLDSDGSFLLYSLKLTVDKSRWQQGNVFCVSNVHEALHNYHQRSLSLSPGK 331

RESULT 11

US-09-761-413-2
; Sequence 2, Application US/09761413
; Patent No. 6506891
; GENERAL INFORMATION:
; APPLICANT: Tao, Weng
; APPLICANT: Wong, Shou
; APPLICANT: Hickey, William F.
; APPLICANT: Hamang, Joseph P.
; APPLICANT: Baetge, E. Edward
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION
; FILE REFERENCE: 17810-043
; CURRENT APPLICATION NUMBER: US/09/761,413
; CURRENT FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US/09/178,969
; PRIOR FILING DATE: 1998-10-26
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-761-413-2

Query Match 40.0%; Score 1225; DB 4; Length 331;
Best Local Similarity 97.0%; Pred. No. 1.9e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCPAPELLGGPSVFLFPKPKDITLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 100 EPKSCDKTHTCCPCPAPELLGGPSVFLFPKPKDITLMISRTPEVTCVVVDVSHEDPEVKF 159
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQNMNMGKEYCKVSNKALPAPIEKT 120
DB 160 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDMLNGKEYCKVSNKALPAPIEKT 219
QY 121 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTP 180
DB 220 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTP 279
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNHYQOQSLSLSPGK 232
DB 280 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNHYQOQSLSLSPGK 331

RESULT 12

US-09-180-100-11
; Sequence 11, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL FAS ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; EARLIER FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 11
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-11

Query Match 40.0%; Score 1225; DB 4; Length 360;
Best Local Similarity 97.0%; Pred. No. 2.1e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCPAPELLGGPSVFLFPKPKDITLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 129 EPKSCDKTHTCCPCPAPELLGGPSVFLFPKPKDITLMISRTPEVTCVVVDVSHEDPEVKF 188
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQNMNMGKEYCKVSNKALPAPIEKT 120
DB 189 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDMLNGKEYCKVSNKALPAPIEKT 248
QY 121 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTP 180
DB 249 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTP 308
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNHYQOQSLSLSPGK 232
DB 309 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNHYQOQSLSLSPGK 360

RESULT 13

US-08-236-311-7
; Sequence 7, Application US/08236311
; Patent No. 5565335
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco

; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/236,311
; FILING DATE: 02-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 444P1C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-236-311-7

Query Match 40.0%; Score 1225; DB 1; Length 371;
Best Local Similarity 97.0%; Pred. No. 2.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCPAPELLGGPSVFLFPKPKDITLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 140 EPKSCDKTHTCCPCPAPELLGGPSVFLFPKPKDITLMISRTPEVTCVVVDVSHEDPEVKF 199
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQNMNMGKEYCKVSNKALPAPIEKT 120
DB 200 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDMLNGKEYCKVSNKALPAPIEKT 259
QY 121 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTP 180
DB 260 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTP 319
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNHYQOQSLSLSPGK 232
DB 320 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNHYQOQSLSLSPGK 371

RESULT 14

US-08-457-918-7
; Sequence 7, Application US/08457918
; Patent No. 6117655
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco

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; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,918
; FILING DATE: 1-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/236311
; FILING DATE: 02-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Kubinec, Jeffrey S.
; REGISTRATION NUMBER: 36,575
; REFERENCE/DOCKET NUMBER: P0444P1C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-8228
; TELEFAX: 415/352-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-457-918-7

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Query Match 40.0%; Score 1225; DB 3; Length 371;
Best Local Similarity 97.0%; Pred. No. 2.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 140 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199
QY 61 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQNWMMGKEYKCKVSNKALPAPIEKT 120
DB 200 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 259
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 260 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 319
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
DB 320 PVLDSVGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 371

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RESULT 15

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US-09-180-100-22
; Sequence 22, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100

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; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-180-100-22

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Query Match 40.0%; Score 1225; DB 4; Length 376;
Best Local Similarity 97.0%; Pred. No. 2.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 145 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 204
QY 61 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQNWMMGKEYKCKVSNKALPAPIEKT 120
DB 205 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 264
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 265 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 324
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
DB 325 PVLDSVGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 376

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Job time : 23.8412 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:59:09 ; Search time 61.4175 Seconds
(without alignments)
2908.366 Million cell updates/sec

Title: US-09-847-208B-7
Perfect score: 3060
Sequence: 1 EPKSCDKHTCTPCPAPELL.....HEAAPSQTQRAVSNPKG 569

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Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 1292805

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
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4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3060	100.0	569	10	US-09-847-208-7
2	3060	100.0	569	12	US-10-000-439-7
3	1775	58.0	574	13	US-10-047-542-45
4	1775	58.0	574	14	US-10-214-524-37
5	1775	58.0	574	14	US-10-050-902-176
6	1775	58.0	574	14	US-10-050-898-176
7	1766	57.7	427	10	US-09-847-208-5
8	1766	57.7	427	12	US-10-000-439-5
9	1766	57.7	428	9	US-09-916-230-1
10	1766	57.7	428	9	US-09-949-375A-1
11	1766	57.7	428	13	US-10-047-542-60
12	1755	57.4	441	9	US-09-949-375A-7
13	1729	56.5	592	14	US-10-207-655-334
14	1707	55.8	320	10	US-09-847-208-6
15	1707	55.8	320	12	US-10-000-439-6

16	1707	55.8	323	9	US-09-949-375A-2	Sequence 2, Appli
17	1707	55.8	323	9	US-09-949-375A-4	Sequence 4, Appli
18	1707	55.8	323	9	US-09-949-375A-6	Sequence 6, Appli
19	1707	55.8	331	9	US-09-401-636-1	Sequence 1, Appli
20	1707	55.8	331	14	US-10-176-664-1	Sequence 1, Appli
21	1707	55.8	331	14	US-10-207-855-329	Sequence 329, App
22	1707	55.8	331	16	US-10-673-594-1	Sequence 1, Appli
23	1705.5	55.7	426	16	US-10-214-524-26	Sequence 26, Appli
24	1696	55.4	336	9	US-09-949-375A-8	Sequence 8, Appli
25	1671	54.6	330	9	US-09-949-375A-10	Sequence 10, Appli
26	1649	53.9	347	14	US-10-152-190-13	Sequence 13, Appli
27	1579	51.6	347	14	US-10-152-190-12	Sequence 12, Appli
28	1566.5	51.2	348	14	US-10-152-190-11	Sequence 11, Appli
29	1527.5	49.9	697	12	US-10-385-802-48	Sequence 48, Appli
30	1471.5	48.1	883	12	US-10-385-802-2	Sequence 2, Appli
31	1435.5	46.9	346	14	US-10-152-190-14	Sequence 14, Appli
32	1364.5	44.6	346	14	US-10-152-190-10	Sequence 10, Appli
33	1340	43.8	949	12	US-10-232-838-19	Sequence 19, Appli
34	1273.5	41.6	711	14	US-10-071-485-90	Sequence 90, Appli
35	1260	41.2	232	10	US-09-847-208-3	Sequence 3, Appli
36	1260	41.2	232	12	US-10-000-439-3	Sequence 3, Appli
37	1260	41.2	330	10	US-09-847-208-2	Sequence 2, Appli
38	1260	41.2	330	12	US-10-000-439-2	Sequence 2, Appli
39	1255.5	41.0	526	12	US-10-385-802-52	Sequence 52, Appli
40	1247	40.8	277	12	US-10-609-217-22	Sequence 22, Appli
41	1247	40.8	277	12	US-10-632-388-22	Sequence 22, Appli
42	1247	40.8	277	12	US-10-651-723-22	Sequence 22, Appli
43	1247	40.8	277	12	US-10-645-761-22	Sequence 22, Appli
44	1247	40.8	277	16	US-10-666-696-22	Sequence 22, Appli
45	1247	40.8	277	16	US-10-653-048-22	Sequence 22, Appli

ALIGNMENTS

RESULT 1
US-09-847-208-7
; Sequence 7, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67,002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IGL1) to CH2-CH3-CH4
; OTHER INFORMATION: (IGF)
US-09-847-208-7

Query Match	100.0%	Score	3060	DB	10	Length	569
Best Local Similarity	100.0%	Pred. No.	7.8e-208				
Matches	569	Conservative	0	Mismatches	0	Indels	0
Gaps	0						
Qy	1	EPKSCDKHTCTPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60				
Db	1	EPKSCDKHTCTPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60				
Qy	61	NWTVVDGVEVHNVTKEPREQYNSTYRVSVLTVLIHONWNGKEYCKVSNKALPAPIETK	120				
Db	61	NWTVVDGVEVHNVTKEPREQYNSTYRVSVLTVLIHONWNGKEYCKVSNKALPAPIETK	120				
Qy	121	ISKAKYQRPQEPQYVTLPPSRDELTKNQVSLTCLIVKGFPYSDIAVEVESNGQPENNYKTP	180				

Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQSLTCLVKGFPDSDIAVWESNGQPENNYKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNNHYQORSLSLSPGKVEGGGSG 240
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNNHYQORSLSLSPGKVEGGGSG 240
QY 241 GGGSGGGGFTPTTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVD 300
Db 241 GGGSGGGGFTPTTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVD 300
QY 301 LSTASTTQEGELASTOSELTLSQKHWSLDRYTCQVYQGHTEFTDSTKCADSNPRGVS 360
Db 301 LSTASTTQEGELASTOSELTLSQKHWSLDRYTCQVYQGHTEFTDSTKCADSNPRGVS 360
QY 361 YLSRPSFDFLRKSPITICLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKQNGTLT 420
Db 361 YLSRPSFDFLRKSPITICLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKQNGTLT 420
QY 421 VTSTLPVGRDMEGTQYQCRVTHPHLPALMRSTTKTSGPRAAPVYAFATPEWFGSRD 480
Db 421 VTSTLPVGRDMEGTQYQCRVTHPHLPALMRSTTKTSGPRAAPVYAFATPEWFGSRD 480
QY 481 KRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVSRLEVTRAWEQ 540
Db 481 KRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVSRLEVTRAWEQ 540
QY 541 KDFICRAVHEAASPSQTVQRAVSNPVGK 569
Db 541 KDFICRAVHEAASPSQTVQRAVSNPVGK 569

RESULT 2
US-10-000-439-7
; Sequence 7, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
; OTHER INFORMATION: (IGGI) sequence and a CH2-CH3-CH4 (1GE) sequence
US-10-000-439-7

Query Match 100.0%; Score 3060; DB 12; Length 569;
Best Local Similarity 100.0%; Pred. No. 7, 8e-208;
Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKHTCCPPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NYVDGVEVHNKTRPEEQYNSYTRVSVLTVLHQNMMNGKEYCKVSNKALPAPIEKT 120
Db 61 NYVDGVEVHNKTRPEEQYNSYTRVSVLTVLHQNMMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQSLTCLVKGFPDSDIAVWESNGQPENNYKTP 180
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQSLTCLVKGFPDSDIAVWESNGQPENNYKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNNHYQORSLSLSPGKVEGGGSG 240

Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNNHYQORSLSLSPGKVEGGGSG 240
QY 241 GGGSGGGGFTPTTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVD 300
Db 241 GGGSGGGGFTPTTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVD 300
QY 301 LSTASTTQEGELASTOSELTLSQKHWSLDRYTCQVYQGHTEFTDSTKCADSNPRGVS 360
Db 301 LSTASTTQEGELASTOSELTLSQKHWSLDRYTCQVYQGHTEFTDSTKCADSNPRGVS 360
QY 361 YLSRPSFDFLRKSPITICLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKQNGTLT 420
Db 361 YLSRPSFDFLRKSPITICLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKQNGTLT 420
QY 421 VTSTLPVGRDMEGTQYQCRVTHPHLPALMRSTTKTSGPRAAPVYAFATPEWFGSRD 480
Db 421 VTSTLPVGRDMEGTQYQCRVTHPHLPALMRSTTKTSGPRAAPVYAFATPEWFGSRD 480
QY 481 KRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVSRLEVTRAWEQ 540
Db 481 KRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVSRLEVTRAWEQ 540
QY 541 KDFICRAVHEAASPSQTVQRAVSNPVGK 569
Db 541 KDFICRAVHEAASPSQTVQRAVSNPVGK 569

RESULT 3
US-10-047-542-45
; Sequence 45, Application US/10047542
; Publication No. US20020168367A1
; GENERAL INFORMATION:
; APPLICANT: LARRICK, JAMES W.
; APPLICANT: WYCOFF, KEITH L.
; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL
; TITLE OF INVENTION: AND BACTERIAL DISEASES
; FILE REFERENCE: 030905.0004.CIPI
; CURRENT APPLICATION NUMBER: US/10/047,542
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: PCT/US01/13932
; PRIOR FILING DATE: 2001-04-28
; PRIOR APPLICATION NUMBER: 60/200,298
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 45
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-047-542-45

Query Match 58.0%; Score 1775; DB 13; Length 574;
Best Local Similarity 77.3%; Pred. No. 5, 4e-117;
Matches 351; Conservative 17; Mismatches 60; Indels 26; Gaps 8;

QY 120 TISKAKVQPREPQVYTLPPSRDELTKNOVSLT--CLVKGFPDSDIAVWESNGQPENNYK 177
Db 143 TVASASTQ--SPSVPLTRCCNIPSNATSVTLGCLATGYFPEPVMVWDT--GSLNGTMM 199
QY 178 TTP-PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNNHY--QORSLSLSPGKVEG 235
Db 200 TLPATTLTSLGHVATISLTV--SGAWAK-QMFTCRVAHTPSSTDMVDNKTFSVC----- 251
QY 236 GGGSGGGGSGGSGFPTTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQ 295
Db 252 -----SRDFTPTTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQ 300
QY 296 VMDVDLSTASTTQEGELASTQSELTLSQKHWSLDRYTCQVYQGHTEFTDSTKCADSNP 355
Db 301 VMDVDLSTASTTQEGELASTQSELTLSQKHWSLDRYTCQVYQGHTEFTDSTKCADSNP 360
QY 356 RGVSAVLSRSPDLFIKSPITICLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKOR 415

Db 361 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRAGKPVNHSRKEKOR 420
Qy 416 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 475
Db 421 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 480
Qy 476 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 535
Db 481 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 540
Qy 536 AEWQKDEFFICRAVHEAASPSQTVQRAVSNVPGK 569
Db 541 AEWQKDEFFICRAVHEAASPSQTVQRAVSNVPGK 574

RESULT 4
US-10-214-524-37
; Sequence 37, Application US/10214524
; Publication No. US20030073142A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Swei-Shen Alex
; APPLICANT: Yang, Yong-Min
; APPLICANT: Barankiewicz, Theresa J.
; APPLICANT: Chen, Zhong
; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF
; FILE REFERENCE: IGE-00101.P.1.1
; CURRENT APPLICATION NUMBER: US/10/214,524
; PRIOR FILING DATE: 2002-08-08
; PRIOR FILING DATE: 2001-08-13
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 37
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Human (Homo sapiens)
US-10-214-524-37

Query Match 58.0%; Score 1775; DB 14; Length 574;
Best Local Similarity 77.3%; Pred. No. 5.4e-117;
Matches 351; Conservative 17; Mismatches 60; Indels 26; Gaps 8;
Qy 120 TISKAKVQPREPQVYTLPPSRDELTKNQVSLT--CLVKGFPYPSDIAVESNGQPENNYK 177
Db 143 TVSSASTQ--SPSVFPLTRCCKNIPSNATSVTLGCLATGTFPEPVMVTWDT--GSLNGTTM 199
Qy 178 TTP-PVLDSVGSFPLYSKLTVDKSRWQGNVFCSVMEALHNNY-QQRSLSLSPGKVEG 235
Db 200 TLPATTLTSLGHVATISLTV-SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 251
Qy 236 GGGSGGGGGGGGSPPTPVTKILOSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQ 295
Db 252 -----SRDFTPTVKILOSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQ 300
Qy 296 VMDVDLSTASTQEGELASTQSELTLSQKHWLSRDTYTCQVYQGHTEFEDSTKKCADSNP 355
Db 301 VMDVDLSTASTQEGELASTQSELTLSQKHWLSRDTYTCQVYQGHTEFEDSTKKCADSNP 360
Qy 356 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRAGKPVNHSRKEKOR 415
Db 361 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRAGKPVNHSRKEKOR 420
Qy 416 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 475
Db 421 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 480
Qy 476 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 535
Db 481 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 540
Qy 536 AEWQKDEFFICRAVHEAASPSQTVQRAVSNVPGK 569
Db 541 AEWQKDEFFICRAVHEAASPSQTVQRAVSNVPGK 574

RESULT 6
US-10-050-902-176

RESULT 5
US-10-050-902-176
; Sequence 176, Application US/10050902
; Publication No. US20030175290A1
; GENERAL INFORMATION:
; APPLICANT: Renner, Wolfgang A.
; APPLICANT: Bachmann, Martin
; APPLICANT: Tissot, Alain
; APPLICANT: Maurer, Patrick
; APPLICANT: Lechner, Franziska
; APPLICANT: Sebbel, Peter
; APPLICANT: Frossek, Christine
; TITLE OF INVENTION: Molecular Antigen Array
; FILE REFERENCE: 1700.0190004
; CURRENT APPLICATION NUMBER: US/10/050,902
; PRIOR FILING DATE: 2002-01-18
; PRIOR FILING DATE: 2001-01-19
; PRIOR FILING DATE: 2001-05-04
; PRIOR FILING DATE: 2001-10-05
; PRIOR FILING DATE: 2001-11-07
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 176
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Ige heavy chain
US-10-050-902-176

Query Match 58.0%; Score 1775; DB 14; Length 574;
Best Local Similarity 77.3%; Pred. No. 5.4e-117;
Matches 351; Conservative 17; Mismatches 60; Indels 26; Gaps 8;
Qy 120 TISKAKVQPREPQVYTLPPSRDELTKNQVSLT--CLVKGFPYPSDIAVESNGQPENNYK 177
Db 143 TVSSASTQ--SPSVFPLTRCCKNIPSNATSVTLGCLATGTFPEPVMVTWDT--GSLNGTTM 199
Qy 178 TTP-PVLDSVGSFPLYSKLTVDKSRWQGNVFCSVMEALHNNY-QQRSLSLSPGKVEG 235
Db 200 TLPATTLTSLGHVATISLTV-SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 251
Qy 236 GGGSGGGGGGGGSPPTPVTKILOSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQ 295
Db 252 -----SRDFTPTVKILOSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQ 300
Qy 296 VMDVDLSTASTQEGELASTQSELTLSQKHWLSRDTYTCQVYQGHTEFEDSTKKCADSNP 355
Db 301 VMDVDLSTASTQEGELASTQSELTLSQKHWLSRDTYTCQVYQGHTEFEDSTKKCADSNP 360
Qy 356 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRAGKPVNHSRKEKOR 415
Db 361 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRAGKPVNHSRKEKOR 420
Qy 416 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 475
Db 421 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKISGPRAPAEVYAFATPEW 480
Qy 476 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 535
Db 481 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 540
Qy 536 AEWQKDEFFICRAVHEAASPSQTVQRAVSNVPGK 569
Db 541 AEWQKDEFFICRAVHEAASPSQTVQRAVSNVPGK 574

```
; Sequence 176, Application US/10050898
; Publication No. US2003017511A1
; GENERAL INFORMATION:
; APPLICANT: Renner, Wolfgang A.
; APPLICANT: Bachmann, Martin
; APPLICANT: Tissot, Alain
; APPLICANT: Maurer, Patrick
; APPLICANT: Lecner, Frankiska
; APPLICANT: Sebbel, Peter
; APPLICANT: Piossek, Christine
; APPLICANT: Ortmann, Rainer
; APPLICANT: Luond, Rainer
; APPLICANT: Staufenbiel, Matthias
; APPLICANT: Frey, Peter
; TITLE OF INVENTION: Molecular Antigen Array
; FILE REFERENCE: 1700.0190005
; CURRENT APPLICATION NUMBER: US/10/050,898
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/262,379
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: US 60/288,549
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/326,998
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 60/331,045
; PRIOR FILING DATE: 2001-11-07
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 176
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Ige heavy chain
US-10-050-898-176
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Query Match 58.0%; Score 1775; DB 14; Length 574;
Best Local Similarity 77.3%; Pred. No. 5.4e-117; Indels 26; Gaps 8;
Matches 351; Conservative 17; Mismatches 60;

Qy 120 TISKAKVQPREPOVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVENESGQPNYK 177
Db 143 TVSSASTQ--SPSVFPLTRCCKNIPSNATSVTLGCLATGYFPEPVNVTWDT--GSLNGT 199

Qy 178 TTP-PVLDVSGSFYLSKLTVDKSRWQGNVPSCSVMHEALHNYH-QORSLSLSPKVEG 235
Db 200 TLPATLTLTSGHYATISLLTV-SGAWAK-QMTCRVAHTPSSTDVNDKTFVC----- 251

Qy 236 GGGSGGGGGGGGFTPTVKILQSSCDGGHPPPTIQLCLVSGYTPGTINITWLEDGQ 295
Db 252 -----SRDFTPTVKILQSSCDGGHPPPTIQLCLVSGYTPGTINITWLEDGQ 300

Qy 296 VMDVLDSTASTTQEGELASTQSELTLSQKHLSDRITYTCQVYQGHTEFDSKKCADSNP 355
Db 301 VMDVLDSTASTTQEGELASTQSELTLSQKHLSDRITYTCQVYQGHTEFDSKKCADSNP 360

Qy 356 RGVSAVLSRSPDLFIRKSPITICLVLDLAPSKGTVNLTWASRASKPVNHSRKEEQR 415
Db 361 RGVSAVLSRSPDLFIRKSPITICLVLDLAPSKGTVNLTWASRASKPVNHSRKEEQR 420

Qy 416 NGTLTSTLPVGTDRWIEGETYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEW 475
Db 421 NGTLTSTLPVGTDRWIEGETYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEW 480

Qy 476 PGRDRTKLACLQNPEDISVQWLHNEVQLPDARHSTTPQRKTGSGFFVFSRLEVTR 535
Db 481 PGRDRTKLACLQNPEDISVQWLHNEVQLPDARHSTTPQRKTGSGFFVFSRLEVTR 540

Qy 536 AEWQDEFTICRAVHEAASPSTQVQRAVSNPCK 569
Db 541 AEWQDEFTICRAVHEAASPSTQVQRAVSNPCK 574
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RESULT 7
US-09-847-208-5

```
; Sequence 5, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGB-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-5

Query Match 57.7%; Score 1766; DB 10; Length 427;
Best Local Similarity 78.0%; Pred. No. 1.6e-116;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Qy 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVENESGQPNYKTP-PVLD 185
Db 3 QSPSVFPLTRCCKNIPSNATSVTLGCLATGYFPEPVNVTWDT--GSLNGTMTLPTATL 61

Qy 186 VGSFFLYSKLTVDKSRWQGNVPSCSVMHEALHNYH-QORSLSLSPKVEGGGGGGGS 244
Db 62 SGHYATISLLTV-SGAWAK-QMTCRVAHTPSSTDVNDKTFVC----- 104

Qy 245 GGGSGFTPTVKILQSSCDGGHPPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTA 304
Db 105 --SRDFTPTVKILQSSCDGGHPPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTA 162

Qy 305 STTQEGELASTQSELTLSQKHLSDRITYTCQVYQGHTEFDSKKCADSNPRGVSAVLSR 364
Db 163 STTQEGELASTQSELTLSQKHLSDRITYTCQVYQGHTEFDSKKCADSNPRGVSAVLSR 222

Qy 365 PSPFDLFIKSPITICLVLDLAPSKGTVNLTWASRASKPVNHSRKEEQRNGTLTWTST 424
Db 223 PSPFDLFIKSPITICLVLDLAPSKGTVNLTWASRASKPVNHSRKEEQRNGTLTWTST 282

Qy 425 LPVGTDRWIEGETYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRL 484
Db 283 LPVGTDRWIEGETYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRL 342

Qy 485 ACLIQNPEDISVQWLHNEVQLPDARHSTTPQRKTGSGFFVFSRLEVTRAEWQKDEF 544
Db 343 ACLIQNPEDISVQWLHNEVQLPDARHSTTPQRKTGSGFFVFSRLEVTRAEWQKDEF 402

Qy 545 ICRAVHEAASPSTQVQRAVSNPCK 569
Db 403 ICRAVHEAASPSTQVQRAVSNPCK 427

RESULT 8
US-10-000-439-5
; Sequence 5, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
```



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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-5
  Query Match      57.7%; Score 1766; DB 12; Length 427;
  Best Local Similarity 78.0%; Pred. No. 1.6e-116;
  Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGYPSPDIAVENESQCPENNYKTP-PVLDS 185
Db 3 QSPSVFPLTRCKNIPSNATSVTLGCLATGYFPEPVMVWTD-T-GSLNGTWTLPATLTL 61
QY 186 VGSFPLXSLTVDKSRWQGNVFCVSVMHEALHNY--QORSLSLSPGKVEGGGGGGGS 244
Db 62 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSTDWDNKTFVSC----- 104
QY 245 GGGSEFTPTVKILQSSCDGGHFPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDSTA 304
Db 105 --SRDFTPTVKILQSSCDGGHFPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDSTA 163
QY 305 STTQEGELASTQSELTLSOKHLSDRYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSR 364
Db 163 STTQEGELASTQSELTLSOKHLSDRYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSR 222
QY 365 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLTVTST 424
Db 223 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLTVTST 282
QY 425 LPVGTDRWIEGETYQCRVTHPHLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484
Db 283 LPVGTDRWIEGETYQCRVTHPHLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 342
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVETRAEWQKDEF 544
Db 343 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVETRAEWQKDEF 402
QY 545 ICRAVHEAASPSQTVQRAVSVNPGK 569
Db 403 ICRAVHEAASPSQTVQRAVSVNPGK 427

RESULT 9
US-09-916-230-1
; Sequence 1, Application US/09916230
; Patent No. US20020146422A1
; GENERAL INFORMATION:
; APPLICANT: Bachmann, Martin F.
; APPLICANT: Renner, Wolfgang A.
; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-Ige
; TITLE OF INVENTION: Antibodies and Uses Thereof
; FILE REFERENCE: 1700.0140001
; CURRENT APPLICATION NUMBER: US/09/916,230
; CURRENT FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: US 60/221,841
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-916-230-1
  Query Match      57.7%; Score 1766; DB 9; Length 428;
  Best Local Similarity 78.0%; Pred. No. 1.6e-116;
  Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGYPSPDIAVENESQCPENNYKTP-PVLDS 185
Db 4 QSPSVFPLTRCKNIPSNATSVTLGCLATGYFPEPVMVWTD-T-GSLNGTWTLPATLTL 62
QY 186 VGSFPLXSLTVDKSRWQGNVFCVSVMHEALHNY--QORSLSLSPGKVEGGGGGGGS 244
Db 62 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSTDWDNKTFVSC----- 104
QY 245 GGGSEFTPTVKILQSSCDGGHFPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDSTA 304
Db 105 --SRDFTPTVKILQSSCDGGHFPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDSTA 163
QY 305 STTQEGELASTQSELTLSOKHLSDRYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSR 364
Db 163 STTQEGELASTQSELTLSOKHLSDRYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSR 222
QY 365 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLTVTST 424
Db 223 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLTVTST 282
QY 425 LPVGTDRWIEGETYQCRVTHPHLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484
Db 283 LPVGTDRWIEGETYQCRVTHPHLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 342
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVETRAEWQKDEF 544
Db 343 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVETRAEWQKDEF 402
QY 545 ICRAVHEAASPSQTVQRAVSVNPGK 569
Db 403 ICRAVHEAASPSQTVQRAVSVNPGK 427

RESULT 10
US-09-949-375A-1
; Sequence 1, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (11)..(116)
; OTHER INFORMATION: Human IGE heavy chain C1 domain
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (209)..(216)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (205)..(219)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (315)..(323)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (244)..(251)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (272)..(280)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (301)..(311)
; OTHER INFORMATION: Epitope in FG loop
; FEATURE:
; NAME/KEY: MISC FEATURE

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LOCATION: (317)...(320)
OTHER INFORMATION: Linker between domains C3 and C4
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)...(422)
OTHER INFORMATION: Human Ige heavy chain C4 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (217)...(316)
OTHER INFORMATION: Human Ige heavy chain C3 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (113)...(208)
OTHER INFORMATION: Human Ige heavy chain C2 domain
US-09-949-375A-1

Query Match 57.7%; Score 1766; DB 9; Length 428;
Best Local Similarity 78.0%; Pred. No. 1.6e-116;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;
QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVEWESNGQPENNYKTP-PVLDLS 185
DB 4 QSPSVEPLTRCCKNIPSNATSVTLGLATGYFPEPVMTWDT-GSLNGTMTLPTATLTL 62
QY 186 VGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYH-QQKSLSPKGVGGGGGGGS 244
DB 63 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 105
QY 245 GGGGSTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTGCTINITWLEDQVMDVLDSTA 304
DB 106 --SRDFTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTGCTINITWLEDQVMDVLDSTA 163
QY 305 STTQEGELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDTKKCADSNPRGVSAVLSR 364
DB 164 STTQEGELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDTKKCADSNPRGVSAVLSR 223
QY 365 PSPFDLPIRKSPITICLVLDLAPSKGTNLTWSRASKGVNHSRKEEKQKRGNTLTVTST 424
DB 224 PSPFDLPIRKSPITICLVLDLAPSKGTNLTWSRASKGVNHSRKEEKQKRGNTLTVTST 283
QY 425 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484
DB 284 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 343
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTAEWQKDEF 544
DB 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTAEWQKDEF 403
QY 545 ICRAVHEAASPSQTVQRAVSNPQK 569
DB 404 ICRAVHEAASPSQTVQRAVSNPQK 428

RESULT 11
US-10-047-542-60
Sequence 60, Application US/10047542
Publication No. US20020168367A1
GENERAL INFORMATION:
APPLICANT: LARRICK, JAMES W.
TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL
DISEASES
FILE REFERENCE: 030905.0004.C1P1
CURRENT APPLICATION NUMBER: US/10/047,542
PRIOR FILING DATE: 2001-10-26
PRIOR APPLICATION NUMBER: PCT/US01/13932
PRIOR FILING DATE: 2001-04-28
PRIOR APPLICATION NUMBER: 60/200,298
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 101
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 60
LENGTH: 428

TYPE: PRT
ORGANISM: Homo sapiens
US-10-047-542-60
Query Match 57.7%; Score 1766; DB 13; Length 428;
Best Local Similarity 78.0%; Pred. No. 1.6e-116;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;
QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVEWESNGQPENNYKTP-PVLDLS 185
DB 4 QSPSVEPLTRCCKNIPSNATSVTLGLATGYFPEPVMTWDT-GSLNGTMTLPTATLTL 62
QY 186 VGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYH-QQKSLSPKGVGGGGGGGS 244
DB 63 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 105
QY 245 GGGGSTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTGCTINITWLEDQVMDVLDSTA 304
DB 106 --SRDFTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTGCTINITWLEDQVMDVLDSTA 163
QY 305 STTQEGELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDTKKCADSNPRGVSAVLSR 364
DB 164 STTQEGELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDTKKCADSNPRGVSAVLSR 223
QY 365 PSPFDLPIRKSPITICLVLDLAPSKGTNLTWSRASKGVNHSRKEEKQKRGNTLTVTST 424
DB 224 PSPFDLPIRKSPITICLVLDLAPSKGTNLTWSRASKGVNHSRKEEKQKRGNTLTVTST 283
QY 425 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484
DB 284 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 343
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTAEWQKDEF 544
DB 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTAEWQKDEF 403
QY 545 ICRAVHEAASPSQTVQRAVSNPQK 569
DB 404 ICRAVHEAASPSQTVQRAVSNPQK 428
RESULT 12
US-09-949-375A-7
Sequence 7, Application US/09949375A
Patent No. US20020172673A1
GENERAL INFORMATION:
APPLICANT: KLYSNER, Steen et al.
TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
RECEPTORS
FILE REFERENCE: 3631-0111P
CURRENT APPLICATION NUMBER: US/09/949,375A
CURRENT FILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 441
TYPE: PRT
ORGANISM: homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (11)...(106)
OTHER INFORMATION: Ige heavy chain C1 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (113)...(208)
OTHER INFORMATION: Ige heavy chain C2 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (217)...(317)
OTHER INFORMATION: Ige heavy chain C3 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)...(422)
OTHER INFORMATION: Ige heavy chain C4 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (427)..(441)
OTHER INFORMATION: MIGIS fragment
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (209)..(216)
OTHER INFORMATION: Linker between domains C2 and C3
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (318)..(320)
OTHER INFORMATION: Linker between domains C3 and C4
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (209)..(219)
OTHER INFORMATION: Epitope including C2C3 linker
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (315)..(323)
OTHER INFORMATION: Epitope including C3C4 linker
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (244)..(251)
OTHER INFORMATION: Epitope in BC loop
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (272)..(280)
OTHER INFORMATION: Epitope in DE loop
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (301)..(311)
OTHER INFORMATION: Epitope in FG loop
US-09-949-375A-7

Query March 57.4%; Score 1755; DB 9; Length 441;
Best Local Similarity 77.9%; Pred. No. 1e-115;
Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;
QY 129 REPOVYTLPPSRDELTKNOVSLT--CLVKGYPGSDIAVEMESNGQPNKYKTP--PVLDLS 185
DB 4 QSPSVFPTTRCKNIPNATSVTLGCLATGYFPFVMTWDT--CSLNGTMTLPTATLTL 62
QY 186 VGSFLLVSKLTVDKSRWQGNVFCVSVNHEALHNY -QQRSLSLSPGKVEGGGGGGG 244
DB 63 SCHVATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 105
QY 245 GGGGSFTPTVKILQSSCDGGHPPTIQLCLVSGYTPGTGNTITWLEDGQVMDVDLSTA 304
DB 106 --SRDFTPTVKILQSSCDGGHPPTIQLCLVSGYTPGTGNTITWLEDGQVMDVDLSTA 163
QY 305 STTQEGELASTQSELTLQKHLSDRTYTCQVYQGHFTEDSTKCCADSNPRGVSAYLSR 364
DB 164 STTQEGELASTQSELTLQKHLSDRTYTCQVYQGHFTEDSTKCCADSNPRGVSAYLSR 223
QY 365 PSPPLDFRKSPITICLVVDLAPSKGTNLTWSRASKPVNHSRKEKQBNGLTITVST 424
DB 224 PSPPLDFRKSPITICLVVDLAPSKGTNLTWSRASKPVNHSRKEKQBNGLTITVST 283
QY 425 LPVGRDWEGETYQCRVTHPLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 484
DB 284 LPVGRDWEGETYQCRVTHPLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 343
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKSGGFVFSRLVTRAEWEQKDEF 544
DB 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKSGGFVFSRLVTRAEWEQKDEF 403
QY 545 ICRAVHEAASPSQTVQRAVSNVP 567
DB 404 ICRAVHEAASPSQTVQRAVSNVP 426

RESULT 13
US-10-207-655-334

Sequence 334, Application US/10207655
Publication No. US20030118592A1
GENERAL INFORMATION:
APPLICANT: Ledbetter, Jeffrey A.
TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
FILE REFERENCE: 390069.401C1
CURRENT APPLICATION NUMBER: US/10/207,655
CURRENT FILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 426
SOFTWARE: PatentIn version 3.0
SEQ ID NO 334
TYPE: PRT
LENGTH: 592
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: fusion polypeptide
US-10-207-655-334

Query March 56.5%; Score 1729; DB 14; Length 592;
Best Local Similarity 60.9%; Pred. No. 9.9e-114;
Matches 358; Conservative 15; Mismatches 51; Indels 164; Gaps 9;
QY 126 VQPREQVYTLPPSRDELTKNOVSLTCLVKG-----FY---PSDIAVWESNGQPNY 176
DB 25 VLSQSPAILLSASPG-----EKVTMTCRASSSVSYVMHWYQKPGSPKPMWY--APSNLA 76
QY 177 KTTTPVLDVSGFFLYSKLTVDKSRWQGNVFCVSVNHEALHNYQORSL---SLSPG-- 231
DB 77 SGVPARFSGSGGTSYS-LTISRVEADAATYIC-----QQWSFNPTFGAGTK 124
QY 232 -KVEGGGGGGGGGGGGGGG----- 249
DB 125 LELKGGGGGGGGGGGGGGGQAYLQSGAELVPGASVMSCKASGYTFTSYNMHWVKQT 184
QY 250 ----- 249
DB 185 PROGLEWIGALYPNGDTSYNQKFKGKATLVDKSSSTAYMQLSLTSEDSAVYFCARVY 244
QY 250 -----FTPTPTVKILQSSCDGGHPPTIQLCLVSGY 281
DB 245 YVSNSTWYFDVWGTGTTVTVSDHVCSDRFTPTVKILQSSCDGGHPPTIQLCLVSGY 304
QY 282 TPGTINITWLEDGQVMDVDLSTASTTQEGELASTQSELTLQKHLSDRTYTCQVYQGH 341
DB 305 TPGTINITWLEDGQVMDVDLSTASTTQEGELASTQSELTLQKHLSDRTYTCQVYQGH 364
QY 342 TPEDSTKCCADSNPRGVSAYLSRSPFDLFRKSPITICLVVDLAPSKGTNLTWSRAG 401
DB 365 TPEDSTKCCADSNPRGVSAYLSRSPFDLFRKSPITICLVVDLAPSKGTNLTWSRAG 424
QY 402 KPVNHSRKEEKQBNGLTITVSTPLVGRDWEGETYQCRVTHPLPALMRSTTKSGP 461
DB 425 KPVNHSRKEEKQBNGLTITVSTPLVGRDWEGETYQCRVTHPLPALMRSTTKSGP 484
QY 462 RAAPEVYAFATPEWPGSRDKRTLACLIIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTK 521
DB 485 RAAPEVYAFATPEWPGSRDKRTLACLIIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTK 544
QY 522 GSGFFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNVP 569
DB 545 GSGFFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNVP 592

RESULT 14
US-09-847-208-6
Sequence 6, Application US/09847208
Publication No. US20030082190A1
GENERAL INFORMATION:
APPLICANT: Saxon, Andrew
APPLICANT: Zhang, Ke
APPLICANT: Zhu, Daocheng
TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF

;; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
;; FILE REFERENCE: UC67.002A
;; CURRENT APPLICATION NUMBER: US/09/847,208
;; CURRENT FILING DATE: 2001-05-01
;; NUMBER OF SEQ ID NOS: 177
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 6
;; LENGTH: 320
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-847-208-6

Query Match 55.8%; Score 1707; DB 10; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.6e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 250 FTPTVKILQSSCDGGGHPPTIQLCLVSGTPTGTTNITWLEDQVMDVLDLSTASTTQE 309
DB 1 FTPTVKILQSSCDGGGHPPTIQLCLVSGTPTGTTNITWLEDQVMDVLDLSTASTTQE 60
QY 310 GELASTQSELTLSQKHWLSDRVTTCVYQGHTEFDTKCKADSNPRGVSAYLSRSPFD 369
DB 61 GELASTQSELTLSQKHWLSDRVTTCVYQGHTEFDTKCKADSNPRGVSAYLSRSPFD 120
QY 370 LFIKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKORNGTLTITSTLPVGT 429
DB 121 LFIKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKORNGTLTITSTLPVGT 180
QY 430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
DB 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
QY 490 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVFSRLEVTAEWEQKDEFICRAV 549
DB 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVFSRLEVTAEWEQKDEFICRAV 300
QY 550 HEAASPSQTVQRAVSVNPGK 569
DB 301 HEAASPSQTVQRAVSVNPGK 320

RESULT 15
US-10-000-439-6
;; Sequence 6, Application US/10000439
;; Publication No. US20030064063A1
;; GENERAL INFORMATION:
;; APPLICANT: Saxon, Andrew
;; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
;; TREATMENT OF IMMUNE DISEASES
;; FILE REFERENCE: UC067.004A
;; CURRENT APPLICATION NUMBER: US/10/000,439
;; CURRENT FILING DATE: 2001-10-24
;; PRIOR APPLICATION NUMBER: US 09/847,208
;; PRIOR FILING DATE: 2001-05-01
;; NUMBER OF SEQ ID NOS: 13
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 6
;; LENGTH: 320
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-000-439-6

Query Match 55.8%; Score 1707; DB 12; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.6e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 250 FTPTVKILQSSCDGGGHPPTIQLCLVSGTPTGTTNITWLEDQVMDVLDLSTASTTQE 309
DB 1 FTPTVKILQSSCDGGGHPPTIQLCLVSGTPTGTTNITWLEDQVMDVLDLSTASTTQE 60
QY 310 GELASTQSELTLSQKHWLSDRVTTCVYQGHTEFDTKCKADSNPRGVSAYLSRSPFD 369
DB 61 GELASTQSELTLSQKHWLSDRVTTCVYQGHTEFDTKCKADSNPRGVSAYLSRSPFD 120

QY 370 LFIKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKORNGTLTITSTLPVGT 429
DB 121 LFIKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKORNGTLTITSTLPVGT 180
QY 430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
DB 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
QY 490 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVFSRLEVTAEWEQKDEFICRAV 549
DB 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVFSRLEVTAEWEQKDEFICRAV 300
QY 550 HEAASPSQTVQRAVSVNPGK 569
DB 301 HEAASPSQTVQRAVSVNPGK 320

Search completed: August 18, 2004, 01:12:42
Job time : 63.4175 secs

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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:59:09 ; Search time 34.5406 Seconds
(without alignments)
2908.366 Million cell updates/sec

Title: US-09-847-208B-6

Perfect score: 1707

Sequence: 1 FTPTVKILQSSCDGGGHP.....HEAASPTQVRAVSVPNGK-320

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 1292805

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubaa/US07_NEW_PUB.pep.*
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- 11: /cgn2_6/ptodata/1/pubaa/US09C_PUBCOMB.pep.*
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- 17: /cgn2_6/ptodata/1/pubaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1707	100.0	320	10	US-09-847-208-6
2	1707	100.0	320	12	US-10-000-439-6
3	1707	100.0	323	9	US-09-949-375A-2
4	1707	100.0	323	9	US-09-949-375A-4
5	1707	100.0	323	9	US-09-949-375A-6
6	1707	100.0	331	9	US-09-401-636-1
7	1707	100.0	331	14	US-10-176-664-1
8	1707	100.0	331	14	US-10-207-655-329
9	1707	100.0	331	16	US-10-673-594-1
10	1707	100.0	427	10	US-09-847-208-5
11	1707	100.0	427	12	US-10-000-439-5
12	1707	100.0	428	9	US-09-916-230-1
13	1707	100.0	428	9	US-09-949-375A-1
14	1707	100.0	428	13	US-10-047-542-50
15	1707	100.0	569	10	US-09-847-208-7

16	1707	100.0	569	12	US-10-000-439-7	Sequence 7, Appli
17	1707	100.0	574	13	US-10-047-542-45	Sequence 45, Appl
18	1707	100.0	574	14	US-10-214-524-37	Sequence 37, Appl
19	1707	100.0	574	14	US-10-050-902-176	Sequence 176, App
20	1707	100.0	574	14	US-10-050-898-176	Sequence 176, App
21	1707	100.0	592	14	US-10-207-655-334	Sequence 334, App
22	1696	99.4	336	9	US-09-949-375A-8	Sequence 8, Appli
23	1696	99.4	441	9	US-09-949-375A-7	Sequence 7, Appli
24	1671	97.9	330	9	US-09-949-375A-10	Sequence 10, Appl
25	1649	96.6	347	14	US-10-152-130-13	Sequence 13, Appl
26	1644.5	96.3	426	14	US-10-214-524-26	Sequence 26, Appl
27	1579	92.5	347	14	US-10-152-130-12	Sequence 12, Appl
28	1566.5	91.8	348	14	US-10-152-130-11	Sequence 11, Appl
29	1435.5	84.1	346	14	US-10-152-130-10	Sequence 10, Appl
30	1364.5	79.9	346	14	US-10-152-130-14	Sequence 14, Appl
31	1171	68.6	220	16	US-10-704-406-3	Sequence 3, Appli
32	1158	67.8	222	9	US-09-809-746-2	Sequence 2, Appli
33	1158	67.8	222	10	US-09-809-715-6	Sequence 6, Appli
34	1158	67.8	222	16	US-10-704-406-2	Sequence 2, Appli
35	1038.5	60.8	342	9	US-09-401-636-8	Sequence 8, Appli
36	1038.5	60.8	342	14	US-10-176-664-8	Sequence 8, Appli
37	1038.5	60.8	342	16	US-10-673-594-8	Sequence 12, Appl
38	1034.5	60.6	557	12	US-10-438-794-12	Sequence 16, Appl
39	1034.5	60.6	557	12	US-10-438-794-16	Sequence 12, Appl
40	1034.5	60.6	557	12	US-10-453-915-12	Sequence 16, Appl
41	1034.5	60.6	557	12	US-10-453-915-16	Sequence 12, Appl
42	1034.5	60.6	566	12	US-10-438-794-10	Sequence 10, Appl
43	1034.5	60.6	566	12	US-10-438-794-18	Sequence 18, Appl
44	1034.5	60.6	566	12	US-10-453-915-10	Sequence 10, Appl
45	1034.5	60.6	566	12	US-10-453-915-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1

US-09-847-208-6
; Sequence 6, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGB-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-6

Query Match	100.0%	Score 1707;	DB 10;	Length 320;
Best Local Similarity	100.0%;	Pred. No. 1.8e-139;		
Matches 320;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	FTPTVKILQSSCDGGGHPPTIQLCLVSGTPTGINTTWLEDGQVMDVLSASTTQ	60	
Db	1	FTPTVKILQSSCDGGGHPPTIQLCLVSGTPTGINTTWLEDGQVMDVLSASTTQ	60	
Qy	61	GEIASTQSELTISOKHLSDRYTCOVYOGHTFEDSTKCCADSNPRGVSAYLSRSPED	120	
Db	61	GEIASTQSELTISQKHLSDRYTCOVYOGHTFEDSTKCCADSNPRGVSAYLSRSPED	120	
Qy	121	LFIRKSPPTICLVVDLAPSKGTVNLTWASRASKPVNHSTRKEEKQKNGILTVTSLPVGT	180	
Db	121	LFIRKSPPTICLVVDLAPSKGTVNLTWASRASKPVNHSTRKEEKQKNGILTVTSLPVGT	180	
Qy	181	RDWIEGETYQCRVTHPHLPALMRSTTKSGFPAAPDEVAFATPEWFGSDRKRKLACLIQ	240	


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Db 304 HEAASPSQTVQRAVSVNPGK 323
; Query Match 100.0%; Score 1707; DB 9; Length 323;
; Best Local Similarity 100.0%; Pred. No. 1.8e-139;
; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4
US-09-949-375A-4
; Sequence 4, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 3.
US-09-949-375A-4

. Query Match 100.0%; Score 1707; DB 9; Length 323;
; Best Local Similarity 100.0%; Pred. No. 1.8e-139;
; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTTQE 60
Db 4 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTTQE 63
QY 61 GELASTQSELTLQSKHLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFD 120
Db 64 GELASTQSELTLQSKHLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFD 123
QY 121 LFIKSPITICLVVDLAPSKGTNLTWSRASKPYNHSTRKEEKORNGTLTVTSTLPVGT 180
Db 124 LFIKSPITICLVVDLAPSKGTNLTWSRASKPYNHSTRKEEKORNGTLTVTSTLPVGT 183
QY 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTIACLIQ 240
Db 184 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTIACLIQ 243
QY 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEFICRAV 300
Db 244 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEFICRAV 303
QY 301 HEAASPSQTVQRAVSVNPGK 320
Db 304 HEAASPSQTVQRAVSVNPGK 323

RESULT 6
US-09-401-636-1
; Sequence 1, Application US/09401636
; Patent No. US20010038843A1
; GENERAL INFORMATION:
; APPLICANT: Hellman, Lars T.
; TITLE OF INVENTION: ENHANCED VACCINES
; FILE REFERENCE: 10223/006001
; CURRENT APPLICATION NUMBER: US/09/401,636
; CURRENT FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: US 60/106,652
; PRIOR FILING DATE: 1998-11-02
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated proteins
US-09-401-636-1

Query Match 100.0%; Score 1707; DB 9; Length 331;
; Best Local Similarity 100.0%; Pred. No. 1.9e-139;
; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTTQE 60
Db 12 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTTQE 71
QY 61 GELASTQSELTLQSKHLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFD 120
Db 72 GELASTQSELTLQSKHLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFD 131
QY 121 LFIKSPITICLVVDLAPSKGTNLTWSRASKPYNHSTRKEEKORNGTLTVTSTLPVGT 180
Db 132 LFIKSPITICLVVDLAPSKGTNLTWSRASKPYNHSTRKEEKORNGTLTVTSTLPVGT 191
QY 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTIACLIQ 240
Db 192 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTIACLIQ 251
QY 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEFICRAV 300
Db 252 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEFICRAV 311

Db 304 HEAASPSQTVQRAVSVNPGK 323
; Query Match 100.0%; Score 1707; DB 9; Length 323;
; Best Local Similarity 100.0%; Pred. No. 1.8e-139;
; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 5
US-09-949-375A-6
; Sequence 6, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 5.
US-09-949-375A-6

Query Match 100.0%; Score 1707; DB 9; Length 323;
```

QY 301 HEAASPSQTVQRAVSNPGK 320
 DB 312 HEAASPSQTVQRAVSNPGK 331

RESULT 7

US-10-176-664-1
 ; Sequence 1, Application US/10176664
 ; Publication No. US20030031663A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hellman, Lars T.
 ; TITLE OF INVENTION: ENHANCED VACCINES
 ; CURRENT APPLICATION NUMBER: US/10/176,664
 ; CURRENT FILING DATE: 2002-06-19
 ; PRIOR APPLICATION NUMBER: US/09/401,636
 ; PRIOR FILING DATE: 1999-09-22
 ; PRIOR APPLICATION NUMBER: US 60/106,652
 ; PRIOR FILING DATE: 1998-11-02
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 331
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetically generated proteins
 ; US-10-176-664-1

Query Match 100.0%; Score 1707; DB 14; Length 331;
 Best Local Similarity 100.0%; Pred. No. 1.9e-139;
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLASTTQOE 60
 DB 12 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLASTTQOE 71
 QY 61 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKCCADSNPRGVSAYLSRSPFD 120
 DB 72 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKCCADSNPRGVSAYLSRSPFD 131
 QY 121 LFIKSPPTITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLTSTLPVGT 180
 DB 132 LFIKSPPTITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLTSTLPVGT 191
 QY 181 RDWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
 DB 192 RDWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 251
 QY 241 NFWPEDIISQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTAEWEQKDEFICRAV 300
 DB 252 NFWPEDIISQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTAEWEQKDEFICRAV 311
 QY 301 HEAASPSQTVQRAVSNPGK 320
 DB 312 HEAASPSQTVQRAVSNPGK 331

RESULT 8

US-10-207-655-329
 ; Sequence 329, Application US/10207655
 ; Publication No. US20030118592A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ledbetter, Jeffrey A.
 ; APPLICANT: Hayden-Ledbetter, Martha S.
 ; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
 ; FILE REFERENCE: 390069.401C1
 ; CURRENT APPLICATION NUMBER: US/10/207,655
 ; CURRENT FILING DATE: 2002-07-25
 ; NUMBER OF SEQ ID NOS: 426
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 329

; LENGTH: 331
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: fusion polypeptide
 ; US-10-207-655-329

Query Match 100.0%; Score 1707; DB 14; Length 331;
 Best Local Similarity 100.0%; Pred. No. 1.9e-139;
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLASTTQOE 60
 DB 8 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLASTTQOE 67
 QY 61 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKCCADSNPRGVSAYLSRSPFD 120
 DB 68 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKCCADSNPRGVSAYLSRSPFD 127
 QY 121 LFIKSPPTITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLTSTLPVGT 180
 DB 128 LFIKSPPTITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLTSTLPVGT 187
 QY 181 RDWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
 DB 188 RDWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 247
 QY 241 NFWPEDIISQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTAEWEQKDEFICRAV 300
 DB 248 NFWPEDIISQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTAEWEQKDEFICRAV 307
 QY 301 HEAASPSQTVQRAVSNPGK 320
 DB 308 HEAASPSQTVQRAVSNPGK 327

RESULT 9

US-10-673-594-1
 ; Sequence 1, Application US/10673594
 ; Publication No. US20040076625A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hellman, Lars T.
 ; TITLE OF INVENTION: ENHANCED VACCINES
 ; FILE REFERENCE: 10223/006001
 ; CURRENT APPLICATION NUMBER: US/10/673,594
 ; CURRENT FILING DATE: 2003-09-29
 ; PRIOR APPLICATION NUMBER: US/09/401,636
 ; PRIOR FILING DATE: 1999-09-22
 ; PRIOR APPLICATION NUMBER: US 60/106,652
 ; PRIOR FILING DATE: 1998-11-02
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 331
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetically generated proteins
 ; US-10-673-594-1

Query Match 100.0%; Score 1707; DB 16; Length 331;
 Best Local Similarity 100.0%; Pred. No. 1.9e-139;
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLASTTQOE 60
 DB 12 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLASTTQOE 71
 QY 61 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKCCADSNPRGVSAYLSRSPFD 120
 DB 72 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKCCADSNPRGVSAYLSRSPFD 131
 QY 121 LFIKSPPTITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKORNGTLTSTLPVGT 180

Db 132 LFIKSPITICLVVDLAPSGTNLTWSRAGKPVNHSIRKEKQKNGTLTSTLPGVT 191
Qy 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 192 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 251
Qy 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVETRAEWEQKDEFICRAV 300
Db 252 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVETRAEWEQKDEFICRAV 311
Qy 301 HEAASPSQTVQRAVSNPGK 320
Db 312 HEAASPSQTVQRAVSNPGK 331
RESULT 10
US-09-847-208-5
; Sequence 5, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daoheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-5
Query Match 100.0%; Score 1707; DB 10; Length 427;
Best Local Similarity 100.0%; Pred. No. 2.6e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTTQE 60
Db 108 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTTQE 167
Qy 61 GELASTQSELTLQKHWLSDRTYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db 168 GELASTQSELTLQKHWLSDRTYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSRSPFD 227
Qy 121 LFIKSPITICLVVDLAPSGKTNLTWSRAGKPVNHSIRKEKQKNGTLTSTLPGVT 180
Db 228 LFIKSPITICLVVDLAPSGKTNLTWSRAGKPVNHSIRKEKQKNGTLTSTLPGVT 287
Qy 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 288 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 347
Qy 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVETRAEWEQKDEFICRAV 300
Db 348 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVETRAEWEQKDEFICRAV 407
Qy 301 HEAASPSQTVQRAVSNPGK 320
Db 408 HEAASPSQTVQRAVSNPGK 427

RESULT 11
US-10-000-439-5
; Sequence 5, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR

; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-5
Query Match 100.0%; Score 1707; DB 12; Length 427;
Best Local Similarity 100.0%; Pred. No. 2.6e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTTQE 60
Db 108 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTTQE 167
Qy 61 GELASTQSELTLQKHWLSDRTYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db 168 GELASTQSELTLQKHWLSDRTYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSRSPFD 227
Qy 121 LFIKSPITICLVVDLAPSGKTNLTWSRAGKPVNHSIRKEKQKNGTLTSTLPGVT 180
Db 228 LFIKSPITICLVVDLAPSGKTNLTWSRAGKPVNHSIRKEKQKNGTLTSTLPGVT 287
Qy 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 288 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 347
Qy 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVETRAEWEQKDEFICRAV 300
Db 348 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVETRAEWEQKDEFICRAV 407
Qy 301 HEAASPSQTVQRAVSNPGK 320
Db 408 HEAASPSQTVQRAVSNPGK 427
RESULT 12
US-09-916-230-1
; Sequence 1, Application US/09916230
; Patent No. US20020146422A1
; GENERAL INFORMATION:
; APPLICANT: Bachmann, Martin F.
; APPLICANT: Renner, Wolfgang A.
; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IgE
; TITLE OF INVENTION: Antibodies and Uses Thereof
; FILE REFERENCE: 1700.0140001
; CURRENT APPLICATION NUMBER: US/09/916,230
; CURRENT FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: US 60/221,841
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-916-230-1
Query Match 100.0%; Score 1707; DB 9; Length 428;
Best Local Similarity 100.0%; Pred. No. 2.6e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTTQE 60
Db 109 FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTTQE 168

QY 61 GELASTQSELTLSQKHWSLDRYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db 169 GELASTQSELTLSQKHWSLDRYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 228
QY 121 LFIKSPITITCLVVDLAPSGKTVNLWTSRSGKPVNHSRKEEKQKNGTLTVSTLPGVT 180
Db 229 LFIKSPITITCLVVDLAPSGKTVNLWTSRSGKPVNHSRKEEKQKNGTLTVSTLPGVT 288
QY 181 RDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDRTTLACLIQ 240
Db 289 RDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDRTTLACLIQ 348
QY 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTRAWEQKDEFICRAV 300
Db 349 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTRAWEQKDEFICRAV 408
QY 301 HEAASPSQTVQRAVSVPNGK 320
Db 409 HEAASPSQTVQRAVSVPNGK 428

RESULT 13

US-09-949-375A-1
; Sequence 1, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-011P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (11)..(116)
; OTHER INFORMATION: Human Ige heavy chain C1 domain
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (209)..(216)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (205)..(219)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (315)..(323)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (244)..(251)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (272)..(280)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (301)..(311)
; OTHER INFORMATION: Epitope in FG loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (317)..(320)
; OTHER INFORMATION: Linker between domains C3 and C4
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (321)..(422)
; OTHER INFORMATION: Human Ige heavy chain C4 domain

; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (217)..(316)
; OTHER INFORMATION: Human Ige heavy chain C3 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (113)..(208)
; OTHER INFORMATION: Human Ige heavy chain C2 domain
US-09-949-375A-1
Query Match
Best Local Similarity 100.0%; Score 1707; DB 9; Length 428;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 60
Db 109 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 168
QY 61 GELASTQSELTLSQKHWSLDRYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db 169 GELASTQSELTLSQKHWSLDRYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 228
QY 121 LFIKSPITITCLVVDLAPSGKTVNLWTSRSGKPVNHSRKEEKQKNGTLTVSTLPGVT 180
Db 229 LFIKSPITITCLVVDLAPSGKTVNLWTSRSGKPVNHSRKEEKQKNGTLTVSTLPGVT 288
QY 181 RDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDRTTLACLIQ 240
Db 289 RDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDRTTLACLIQ 348
QY 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTRAWEQKDEFICRAV 300
Db 349 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTRAWEQKDEFICRAV 408
QY 301 HEAASPSQTVQRAVSVPNGK 320
Db 409 HEAASPSQTVQRAVSVPNGK 428

RESULT 14

US-10-047-542-60
; Sequence 60, Application US/10047542
; Publication No. US20020168367A1
; GENERAL INFORMATION:
; APPLICANT: LARRICK, JAMES W.
; APPLICANT: WYCOFF, KEITH L.
; TITLE OF INVENTION: NOVEL IMMUNODERISINS FOR TREATING AND PREVENTING VIRAL
; TITLE OF INVENTION: AND BACTERIAL DISEASES
; FILE REFERENCE: 030905.0004.CIP1
; CURRENT APPLICATION NUMBER: US/10/047,542
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: PCT/US01/13932
; PRIOR FILING DATE: 2001-04-28
; PRIOR APPLICATION NUMBER: 60/200,298
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 60
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-047-542-60
Query Match
Best Local Similarity 100.0%; Score 1707; DB 13; Length 428;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 60
Db 109 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 168
QY 61 GELASTQSELTLSQKHWSLDRYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 120

Job time : 35.5406 secs

Db 169 GELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDSKTKCADSNPRGVSAYLSRPSFFD 228
Qy 121 LFIKRSPTITCLVVDLAPSKGTNLTWSRASKPVNHSRKEEKORNGTLTSTLTPVGT 180
Db 229 LFIKRSPTITCLVVDLAPSKGTNLTWSRASKPVNHSRKEEKORNGTLTSTLTPVGT 288
Qy 181 RDWIEGETYQCRVTHPHLPRALMSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 289 RDWIEGETYQCRVTHPHLPRALMSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 348
Qy 241 NFMPEDISVQWLHNEVOLPDARHSTTQPRKTKSGGFFVFSRLEVTTRAWEQKDEFICRAV 300
Db 349 NFMPEDISVQWLHNEVOLPDARHSTTQPRKTKSGGFFVFSRLEVTTRAWEQKDEFICRAV 408
Qy 301 HEAASPSQTVQRAVSNPGK 320
Db 409 HEAASPSQTVQRAVSNPGK 428

RESULT 15
US-09-847-208-7
; Sequence 7, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Baocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847.208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4
; OTHER INFORMATION: (Ige)
US-09-847-208-7

Query Match 100.0%; Score 1707; DB 10; Length 569;
Best Local Similarity 100.0%; Pred. No. 3.8e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 FTPPTVKILQSSCDGGHFPPTIQLLCIVSGYTPGTINITWLEDGQVMDVLDLSTASTQE 60
Db 250 FTPPTVKILQSSCDGGHFPPTIQLLCIVSGYTPGTINITWLEDGQVMDVLDLSTASTQE 309
Qy 61 GELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDSKTKCADSNPRGVSAYLSRPSFFD 120
Db 310 GELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDSKTKCADSNPRGVSAYLSRPSFFD 369
Qy 121 LFIKRSPTITCLVVDLAPSKGTNLTWSRASKPVNHSRKEEKORNGTLTSTLTPVGT 180
Db 370 LFIKRSPTITCLVVDLAPSKGTNLTWSRASKPVNHSRKEEKORNGTLTSTLTPVGT 429
Qy 181 RDWIEGETYQCRVTHPHLPRALMSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 430 RDWIEGETYQCRVTHPHLPRALMSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
Qy 241 NFMPEDISVQWLHNEVOLPDARHSTTQPRKTKSGGFFVFSRLEVTTRAWEQKDEFICRAV 300
Db 490 NFMPEDISVQWLHNEVOLPDARHSTTQPRKTKSGGFFVFSRLEVTTRAWEQKDEFICRAV 549
Qy 301 HEAASPSQTVQRAVSNPGK 320
Db 550 HEAASPSQTVQRAVSNPGK 569

Search completed: August 18, 2004, 01:12:40

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:59:09 ; Search time 25.0419 Seconds
(without alignments)

2908.366 Million cell updates/sec

Title: US-09-847-208B-3

Perfect score: 1260

Sequence: 1 EPKSCDTHTCPPCPAPELL.....MHEALNNHYYQORSLSPGK 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 1292805

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0	232	10	US-09-847-208-3
2	1260	100.0	232	12	US-10-000-439-3
3	1260	100.0	330	10	US-09-847-208-2
4	1260	100.0	330	12	US-10-000-439-2
5	1260	100.0	569	10	US-09-847-208-7
6	1260	100.0	569	12	US-10-000-439-7
7	1225	97.2	232	9	US-09-996-357-10
8	1225	97.2	232	10	US-09-389-782-1
9	1225	97.2	232	16	US-10-617-619-7
10	1225	97.2	235	14	US-10-207-655-208
11	1225	97.2	247	9	US-09-996-357-13
12	1225	97.2	251	14	US-10-008-063-18
13	1225	97.2	251	14	US-10-152-363A-6
14	1225	97.2	267	9	US-09-996-357-12
15	1225	97.2	288	10	US-09-822-851B-14

16	1225	97.2	288	14	US-10-119-637A-14	Sequence 14, Appl
17	1225	97.2	329	15	US-10-370-749-48	Sequence 48, Appl
18	1225	97.2	330	10	US-09-995-898A-15	Sequence 15, Appl
19	1225	97.2	330	10	US-09-892-949-38	Sequence 38, Appl
20	1225	97.2	330	12	US-10-420-034A-15	Sequence 15, Appl
21	1225	97.2	330	12	US-10-257-907-5	Sequence 5, Appl
22	1225	97.2	330	12	US-10-383-902A-6	Sequence 6, Appl
23	1225	97.2	330	13	US-10-047-542-0	Sequence 20, Appl
24	1225	97.2	330	14	US-10-269-805-68	Sequence 68, Appl
25	1225	97.2	330	14	US-10-310-719-8	Sequence 8, Appl
26	1225	97.2	330	14	US-10-112-582-1	Sequence 1, Appl
27	1225	97.2	330	14	US-10-320-231A-81	Sequence 81, Appl
28	1225	97.2	330	16	US-10-488-901-2	Sequence 2, Appl
29	1225	97.2	330	16	US-10-656-769-2	Sequence 2, Appl
30	1225	97.2	330	16	US-10-679-620-58	Sequence 58, Appl
31	1225	97.2	330	16	US-10-772-531-38	Sequence 38, Appl
32	1225	97.2	331	14	US-10-341-836-2	Sequence 2, Appl
33	1225	97.2	332	10	US-09-990-586-98	Sequence 98, Appl
34	1225	97.2	332	14	US-10-310-113-167	Sequence 167, Appl
35	1225	97.2	332	14	US-10-230-880-98	Sequence 98, Appl
36	1225	97.2	333	12	US-10-272-899A-8	Sequence 8, Appl
37	1225	97.2	356	12	US-10-272-899A-72	Sequence 72, Appl
38	1225	97.2	358	14	US-10-233-150-5	Sequence 5, Appl
39	1225	97.2	360	9	US-09-949-713-11	Sequence 11, Appl
40	1225	97.2	367	15	US-10-452-646-9	Sequence 9, Appl
41	1225	97.2	371	14	US-10-097-044A-7	Sequence 7, Appl
42	1225	97.2	376	9	US-09-949-713-22	Sequence 22, Appl
43	1225	97.2	376	14	US-10-084-139-10	Sequence 10, Appl
44	1225	97.2	377	14	US-10-363-427-16	Sequence 16, Appl
45	1225	97.2	379	12	US-10-679-999-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1

US-09-847-208-3
; Sequence 3, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67,002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-847-208-3

Query Match	100.0%;	Score 1260;	DB 10;	Length 232;
Best Local Similarity	100.0%;	Pred. No. 1.2e-99;		
Matches	232;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
Qy	1	EPKSCDTHTCPPCPAPELLGGPSVFLFPKPKDILMISRTPEVTCVVVDVSHEDPEVKF	60	
Db	1	EPKSCDTHTCPPCPAPELLGGPSVFLFPKPKDILMISRTPEVTCVVVDVSHEDPEVKF	60	
Qy	61	NWYVDGVEVHNKTKPRREQYNSYTRVSVLTVLHONWNGKEYKCKVSNKALPAPIETK	120	
Db	61	NWYVDGVEVHNKTKPRREQYNSYTRVSVLTVLHONWNGKEYKCKVSNKALPAPIETK	120	
Qy	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180	
Db	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180	
Qy	181	PVLDSVGSFLLYSKLTVDKSRWQQGNVFCSVNHEALHNNHYYQORSLSPGK	232	

Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSWHEALHNNHYQORSLSLSPGK 232
|||||

RESULT 2
US-10-000-439-3
; Sequence 3, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; PRIOR FILING DATE: 2001-10-24
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-3

Query Match 100.0%; Score 1260; DB 12; Length 232;
Best Local Similarity 100.0%; Pred. No. 1.2e-99;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Qy 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNMWNGKEYCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNMWNGKEYCKVSNKALPAPIEKT 120
Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSWHEALHNNHYQORSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSWHEALHNNHYQORSLSLSPGK 232

RESULT 3
US-09-847-208-2
; Sequence 2, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-2

Query Match 100.0%; Score 1260; DB 10; Length 330;
Best Local Similarity 100.0%; Pred. No. 1.8e-99;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
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Db 99 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 158
Qy 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNMWNGKEYCKVSNKALPAPIEKT 120
Db 159 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNMWNGKEYCKVSNKALPAPIEKT 218
Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 219 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 278
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSWHEALHNNHYQORSLSLSPGK 232
Db 279 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSWHEALHNNHYQORSLSLSPGK 330

RESULT 4
US-10-000-439-2
; Sequence 2, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-2

Query Match 100.0%; Score 1260; DB 12; Length 330;
Best Local Similarity 100.0%; Pred. No. 1.8e-99;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 99 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 158
Qy 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNMWNGKEYCKVSNKALPAPIEKT 120
Db 159 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNMWNGKEYCKVSNKALPAPIEKT 218
Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 219 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 278
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSWHEALHNNHYQORSLSLSPGK 232
Db 279 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSWHEALHNNHYQORSLSLSPGK 330

RESULT 5
US-09-847-208-7
; Sequence 7, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7

LENGTH: 569
TYPE: PRT
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4
OTHER INFORMATION: (Ige)
US-09-847-208-7

Query Match
Best Local Similarity 100.0%; Score 1260; DB 10; Length 569;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGVFSCSVWHEALHNNHYQQRSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQQGVFSCSVWHEALHNNHYQQRSLSLSPGK 232

RESULT 6
US-10-000-439-7
Sequence 7, Application US/10000439
Publication No. US20030064063A1
GENERAL INFORMATION:
APPLICANT: Saxon, Andrew
TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
FILE OF INVENTION: TREATMENT OF IMMUNE DISEASES
FILE REFERENCE: UG067.004A
CURRENT APPLICATION NUMBER: US/10/000.439
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-05-01
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 569
TYPE: PRT
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
OTHER INFORMATION: (IgG1) sequence and a CH2-CH3-CH4 (Ige) sequence
US-10-000-439-7

Query Match
Best Local Similarity 100.0%; Score 1260; DB 12; Length 569;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGVFSCSVWHEALHNNHYQQRSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQQGVFSCSVWHEALHNNHYQQRSLSLSPGK 232

RESULT 7
US-09-996-357-10
Sequence 10, Application US/09996357
Patent No. US20020133001A1
GENERAL INFORMATION:
APPLICANT: Geffer, Malcolm L
APPLICANT: Isreal, David I
APPLICANT: Joyal, John L
APPLICANT: Gosselin, Michael
TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR
FILE REFERENCE: PPI-105
CURRENT APPLICATION NUMBER: US/09/996,357
PRIOR FILING DATE: 2001-11-27
PRIOR FILING DATE: 2000-11-27
PRIOR FILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-12-20
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 232
TYPE: PRT
ORGANISM: Homo sapiens
US-09-996-357-10

Query Match
Best Local Similarity 97.2%; Score 1225; DB 9; Length 232;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGVFSCSVWHEALHNNHYQQRSLSLSPGK 232
Db 181 PVLDSVGSFFLYSKLTVDKSRWQQGVFSCSVWHEALHNNHYQQRSLSLSPGK 232

RESULT 8
US-09-389-782-1
Sequence 1, Application US/09389782
Publication No. US20030144187A1
GENERAL INFORMATION:
APPLICANT: Wooden, Scott K.
APPLICANT: Mann, Michael B.
APPLICANT: Dunstan, Colin R.
TITLE OF INVENTION: OPG Fusion Protein Compositions and Methods
FILE REFERENCE: A-604
CURRENT APPLICATION NUMBER: US/09/389,782
CURRENT FILING DATE: 1999-09-03
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 232
TYPE: PRT
ORGANISM: Human
US-09-389-782-1

Query Match
Best Local Similarity 97.2%; Score 1225; DB 10; Length 232;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNWNGKEYCKVSNKALPAPIEKT 120
DB 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
DB 121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
QY 181 PVLDSVGSFFLYSLKLTVDKSRWQGNVFCSCVMHEALHNNHYQORSLSLSPGK 232
DB 181 PVLDSGDSFFLYSLKLTVDKSRWQGNVFCSCVMHEALHNNHYTKQSLSLSPGK 232

RESULT 9

US-10-617-619-7
; Sequence 7, Application US/10617619
; Publication No. US20040110929A1
; GENERAL INFORMATION:
; APPLICANT: Bjorn, Soren E
; APPLICANT: Nicolaissen, Else M
; APPLICANT: Jorgensen, Anker S
; TITLE OF INVENTION: TF Binding Compound
; FILE REFERENCE: 6455.200-US
; CURRENT APPLICATION NUMBER: US/10/617,619
; CURRENT FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US 60/404,568
; PRIOR FILING DATE: 2002-08-19
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 7
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Human
US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;
Best Local Similarity 97.0%; Pred. No. 1.1e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNWNGKEYCKVSNKALPAPIEKT 120
DB 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
DB 121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
QY 181 PVLDSVGSFFLYSLKLTVDKSRWQGNVFCSCVMHEALHNNHYQORSLSLSPGK 232
DB 181 PVLDSGDSFFLYSLKLTVDKSRWQGNVFCSCVMHEALHNNHYTKQSLSLSPGK 232

RESULT 10

US-10-207-655-208
; Sequence 208, Application US/10207655
; Publication No. US20030118592A1
; GENERAL INFORMATION:
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Hayden-Ledbetter, Martha S.
; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
; FILE REFERENCE: 390069.401C1
; CURRENT APPLICATION NUMBER: US/10/207,655

; CURRENT FILING DATE: 2002-07-25
; NUMBER OF SEQ ID NOS: 426
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 208
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide
US-10-207-655-208

Query Match 97.2%; Score 1225; DB 14; Length 235;
Best Local Similarity 97.0%; Pred. No. 1.2e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 4 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 63
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNWNGKEYCKVSNKALPAPIEKT 120
DB 64 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 123
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180
DB 124 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 183
QY 181 PVLDSVGSFFLYSLKLTVDKSRWQGNVFCSCVMHEALHNNHYQORSLSLSPGK 232
DB 184 PVLDSGDSFFLYSLKLTVDKSRWQGNVFCSCVMHEALHNNHYTKQSLSLSPGK 235

RESULT 11

US-09-996-357-13
; Sequence 13, Application US/09996357
; Patent No. US20020133001A1
; GENERAL INFORMATION:
; APPLICANT: Geiter, Malcolm L
; APPLICANT: Isreal, David I
; APPLICANT: Joyal, John L
; APPLICANT: Gosselin, Michael
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR
; TITLE OF INVENTION: TREATING AN AMYLOIDOTIC DISEASE
; FILE REFERENCE: PPI-105
; CURRENT APPLICATION NUMBER: US/09/996,357
; CURRENT FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: 60/253,302
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/250,198
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/257,186
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 13
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-357-13

Query Match 97.2%; Score 1225; DB 9; Length 247;
Best Local Similarity 97.0%; Pred. No. 1.2e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 16 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 75
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNWNGKEYCKVSNKALPAPIEKT 120
DB 76 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 135
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP 180

Db 136 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 195
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMEALHNNHYQORSLSLSPGK 232
Db 196 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMEALHNNHYQORSLSLSPGK 247
RESULT 12
US-10-008-063-18
; Sequence 18, Application US/10008063
; Publication No. US20030092164A1
; GENERAL INFORMATION:
; APPLICANT: Gross, Jane A.
; APPLICANT: Xu, Wenfeng
; APPLICANT: Henne, Randal M.
; APPLICANT: Grant, Francis, J.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor
; FILE REFERENCE: 00-103
; CURRENT APPLICATION NUMBER: US/10/008,063
; CURRENT FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-008-063-18

Query Match 97.2%; Score 1225; DB 14; Length 251;
Best Local Similarity 97.0%; Pred. No. 1.3e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 20 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 79
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMMGKEYCKCKVSNKALPAPIEKT 120
Db 80 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKCKVSNKALPAPIEKT 139
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
Db 140 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 199
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMEALHNNHYQORSLSLSPGK 232
Db 200 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMEALHNNHYQORSLSLSPGK 251

RESULT 13
US-10-152-363A-6
; Sequence 6, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
; APPLICANT: Rixon, Mark W.
; APPLICANT: Gross, Jane A.
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
; FILE REFERENCE: 01-20
; CURRENT APPLICATION NUMBER: US/10/152,363A
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/293,343
; PRIOR FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-152-363A-6

Query Match 97.2%; Score 1225; DB 14; Length 251;
Best Local Similarity 97.0%; Pred. No. 1.3e-96;

Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 20 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 79
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMMGKEYCKCKVSNKALPAPIEKT 120
Db 80 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKCKVSNKALPAPIEKT 139
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
Db 140 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 199
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMEALHNNHYQORSLSLSPGK 232
Db 200 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMEALHNNHYQORSLSLSPGK 251
RESULT 14
US-09-996-357-12
; Sequence 12, Application US/09996357
; Patent No. US20020133001A1
; GENERAL INFORMATION:
; APPLICANT: Geffer, Malcolm L
; APPLICANT: Isreal, David I
; APPLICANT: Joyal, John L
; APPLICANT: Gosselin, Michael
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR
; TITLE OF INVENTION: TREATING AN AMYLOIDOTIC DISEASE
; FILE REFERENCE: PPI-105
; CURRENT APPLICATION NUMBER: US/09/996,357
; CURRENT FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: 60/253,302
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/250,198
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/257,186
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:alpha-beta (16-30)Fc
US-09-996-357-12

Query Match 97.2%; Score 1225; DB 9; Length 267;
Best Local Similarity 97.0%; Pred. No. 1.4e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 36 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 95
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMMGKEYCKCKVSNKALPAPIEKT 120
Db 96 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKCKVSNKALPAPIEKT 155
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
Db 156 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 215
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMEALHNNHYQORSLSLSPGK 232
Db 216 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMEALHNNHYQORSLSLSPGK 267

RESULT 15
US-09-822-851B-14
; Sequence 14, Application US/09822851B

Publication No. US20030095966A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Yang
; APPLICANT: Zheng, Pan
; APPLICANT: Bai, Xue-Feng
; TITLE OF INVENTION: Methods of Blocking Tissue Destruction by Autoreactive T Cells
; FILE REFERENCE: 22727/04047
; CURRENT APPLICATION NUMBER: US/09/822,851B
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: residues 1-52 are mouse HSA sequences, residues 53-55 are unknown
; OTHER INFORMATION: sequences, residues 56-288 are human IgG1 Fc sequences
US-09-822-851B-14

Query Match 97.2%; Score 1225; DB 10; Length 288;
Best Local Similarity 97.0%; Pred. No. 1.5e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVYVDSHEDPEVKF 60
Db 56 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVYVDSHEDPEVKF 115
QY 61 NWTVDGVEVHNVTKPREQYNSTYRVSVLTIVLHQNWNGKEYKCKVSNKALPAPIEKT 120
Db 116 NWTVDGVEVHNVTKPREQYNSTYRVSVLTIVLHQNWNGKEYKCKVSNKALPAPIEKT 175
QY 121 ISKAKVQPREPQVYTLPPSDELTKNQVSLTCLVKGFPSDIAVEWESNGQPENNYKTP 180
Db 176 ISKAKGQPREPQVYTLPPSDELTKNQVSLTCLVKGFPSDIAVEWESNGQPENNYKTP 235
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYQORSLSLSPGK 232
Db 236 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYQORSLSLSPGK 287

Search completed: August 18, 2004, 01:12:39
Job time : 26.0419 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:56:48 ; Search time 9.31311 Seconds
(without alignments)
1286.060 Million cell updates/sec

Title: US-09-847-208B-3
Perfect score: 1260
Sequence: 1 EPKSCDKTHCPAPPELL.....MHEALHNHYQORSLSPGK 232

Scoring table: Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1225	97.2	232	2	US-08-595-043A-50
2	1225	97.2	331	3	US-08-178-869-2
3	1225	97.2	331	4	US-08-761-413-2
4	1225	97.2	360	4	US-08-180-100-11
5	1225	97.2	371	1	US-08-236-311-7
6	1225	97.2	371	3	US-08-457-918-7
7	1225	97.2	376	4	US-09-180-100-22
8	1225	97.2	396	2	US-08-784-512-3
9	1225	97.2	396	3	US-09-176-228-3
10	1225	97.2	424	5	PCT-US93-03866-12
11	1225	97.2	424	5	PCT-US93-03866-14
12	1225	97.2	437	5	PCT-US96-10043-11
13	1225	97.2	442	4	US-08-472-888A-7
14	1225	97.2	442	5	PCT-US96-10043-9
15	1225	97.2	446	3	US-08-397-411-7
16	1225	97.2	449	1	US-08-458-516-13
17	1225	97.2	459	1	US-08-157-101A-7
18	1225	97.2	475	4	US-09-740-002-27
19	1225	97.2	476	2	US-08-378-939-10
20	1225	97.2	476	3	US-08-487-550-4
21	1225	97.2	476	3	US-08-487-550-12
22	1225	97.2	476	4	US-08-487-098-4
23	1225	97.2	476	4	US-09-526-098-12
24	1225	97.2	478	3	US-08-487-550-8
25	1225	97.2	478	4	US-09-526-098-8
26	1225	97.2	497	4	US-09-499-846-6
27	1225	97.2	525	4	US-09-499-846-4

28	1225	97.2	547	4	US-09-746-359A-54	Sequence 54, Appl
29	1225	97.2	571	4	US-09-746-359A-53	Sequence 53, Appl
30	1225	97.2	592	4	US-09-313-942-8	Sequence 8, Appl
31	1225	97.2	622	4	US-09-499-846-2	Sequence 2, Appl
32	1225	97.2	859	4	US-09-313-942-7	Sequence 7, Appl
33	1225	97.2	951	4	US-09-313-942-9	Sequence 9, Appl
34	1224	97.1	475	4	US-09-740-002-25	Sequence 25, Appl
35	1221	96.9	462	4	US-09-289-942A-7	Sequence 7, Appl
36	1220	96.8	254	3	US-08-284-391B-33	Sequence 33, Appl
37	1220	96.8	254	3	US-09-218-950-33	Sequence 33, Appl
38	1219	96.7	330	4	US-09-301-593-22	Sequence 22, Appl
39	1219	96.7	451	2	US-08-887-352B-14	Sequence 14, Appl
40	1219	96.7	451	2	US-08-887-352B-16	Sequence 16, Appl
41	1219	96.7	451	2	US-08-887-352B-18	Sequence 18, Appl
42	1219	96.7	451	3	US-08-466-151-65	Sequence 65, Appl
43	1219	96.7	451	3	US-09-109-207C-14	Sequence 14, Appl
44	1219	96.7	451	3	US-09-109-207C-16	Sequence 16, Appl
45	1219	96.7	451	3	US-09-109-207C-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-08-595-043A-50
; Sequence 50, Application US/08595043A
; Patent No. 5935824
; GENERAL INFORMATION:
; APPLICANT: SGARLATO, GREGORY D.
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/595,043A
; FILING DATE: 31-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: SGAR-00371
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-595-043A-50

Query Match	97.2%	Score 1235;	DB 2;	Length 232;
Best Local Similarity	97.0%;	Pred. No. 2e-116;		
Matches 225;	Conservative 3;	Mismatches 4;	Indels 0;	Gaps 0;
QY	1	EPKSCDKTHCPAPPELLGGPSVFLPFPKPD	TLMI	SRTPEVTCVVVDVSHEDVKF 60
Db	1	EPKSCDKTHCPAPPELLGGPSVFLPFPKPD	TLMI	SRTPEVTCVVVDVSHEDVKF 60
QY	61	NNYVDGVEVHNKTPREEQNSTYRVVSVLTVL	HQDNMNGKEYCKVSNKALPAPIEKT 120	
Db	61	NNYVDGVEVHNKTPREEQNSTYRVVSVLTVL	HQDNMNGKEYCKVSNKALPAPIEKT 120	

APPLICANT: Gregory, Timothy J.
TITLE OF INVENTION: Adheson Variants
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/236,311
FILING DATE: 02-MAY-1994
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/936190
FILING DATE: 26-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/842777
FILING DATE: 18-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/250785
FILING DATE: 28-SEP-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/104329
FILING DATE: 02-OCT-1987
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 444PIC2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 371 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-236-311-7

Query Match 97.2%; Score 1225; DB 1; Length 371;
Best Local Similarity 97.0%; Pred. No. 4e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 140 EPKSCDKHTCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199
Qy 61 NWYVDGVEVHNKTKPRREQYNSTRYVSVLTVLHQNMWNGKEYCKVSKNKPAPTEKT 120
Db 200 NWYVDGVEVHNKTKPRREQYNSTRYVSVLTVLHQNMWNGKEYCKVSKNKPAPTEKT 259
Qy 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 260 ISKAKGQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 319
Qy 181 PVLDVSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSGPK 232
Db 320 PVLDSDGSGFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSGPK 371

RESULT 6
US-08-457-918-7
; Sequence 7, Application US/08457918
; Patent No. 6117655
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.

APPLICANT: Gregory, Timothy J.
TITLE OF INVENTION: Adheson Variants
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,918
FILING DATE: 1-JUN-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/236311
FILING DATE: 02-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/936190
FILING DATE: 26-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/842777
FILING DATE: 18-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/250785
FILING DATE: 28-SEP-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/104329
FILING DATE: 02-OCT-1987
ATTORNEY/AGENT INFORMATION:
NAME: Kubinec, Jeffrey S.
REGISTRATION NUMBER: 36,575
REFERENCE/DOCKET NUMBER: P0444PIC3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-8228
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 371 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-457-918-7

Query Match 97.2%; Score 1225; DB 3; Length 371;
Best Local Similarity 97.0%; Pred. No. 4e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 140 EPKSCDKHTCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199
Qy 61 NWYVDGVEVHNKTKPRREQYNSTRYVSVLTVLHQNMWNGKEYCKVSKNKPAPTEKT 120
Db 200 NWYVDGVEVHNKTKPRREQYNSTRYVSVLTVLHQNMWNGKEYCKVSKNKPAPTEKT 259
Qy 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 260 ISKAKGQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 319
Qy 181 PVLDVSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSGPK 232
Db 320 PVLDSDGSGFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSGPK 371

RESULT 7
US-09-180-100-22
; Sequence 22, Application US/09180100

```

; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-180-100-22

Query Match          97.2%; Score 1225; DB 4; Length 376;
Best Local Similarity 97.0%; Pred. No. 4e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 145 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 204
QY 61 NWTVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
Db 205 NWTVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 264
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 265 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 324
QY 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFSCVVMHEALHNHYQOQSLSLSPGK 232
Db 325 PVLDSVGSFPLYSKLTVDKSRWQGNVFSCVVMHEALHNHYQOQSLSLSPGK 376

RESULT 8
US-08-784-512-3
; Sequence 3, Application US/08784512
; Patent No. 5872209
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMUELLER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATERSON, Bruce
; APPLICANT: HUGHES, Clare
; TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; TITLE OF INVENTION: "Aggrecanase" in cell culture systems
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,512
; FILING DATE: 17-JAN-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96100682.2
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: GRANADOS, Patricia D.
; REGISTRATION NUMBER: 33,683

```

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; REFERENCE/DOCKET NUMBER: 18748/311
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 396 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..396
; US-08-784-512-3

Query Match          97.2%; Score 1225; DB 2; Length 396;
Best Local Similarity 97.0%; Pred. No. 4.4e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 165 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 224
QY 61 NWTVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
Db 225 NWTVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 284
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 285 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 344
QY 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFSCVVMHEALHNHYQOQSLSLSPGK 232
Db 345 PVLDSVGSFPLYSKLTVDKSRWQGNVFSCVVMHEALHNHYQOQSLSLSPGK 396

RESULT 9
US-09-176-228-3
; Sequence 3, Application US/09176228
; Patent No. 6180334
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMUELLER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATERSON, Bruce
; APPLICANT: HUGHES, Clare
; TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; TITLE OF INVENTION: "Aggrecanase" in cell culture systems
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/176,228
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,512
; FILING DATE: 17-JAN-1997
; APPLICATION NUMBER: EP 96100682.2
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: GRANADOS, Patricia D.

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PCT-US95-03866-14

Query Match 97.2%; Score 1225; DB 5; Length 424;
 Best Local Similarity 97.0%; Pred. No. 4.8e-116;
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
 DB 193 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 252
 QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLTQHWMMNGKEYKCKVSNKALPAPIEKT 120
 DB 253 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLTQHWMMNGKEYKCKVSNKALPAPIEKT 312
 QY 121 ISKAKVQPREPQVYTLPPSRDELTKQVSLTCLVKGFPYSDIAVESNGQPENNYKTTTP 180
 DB 313 ISKAKVQPREPQVYTLPPSRDELTKQVSLTCLVKGFPYSDIAVESNGQPENNYKTTTP 372
 QY 181 PVLDSVGSFFLYSKLITVDKSRWQGNVFCVSNVHEALHNHYTQKSLSLSPGK 232
 DB 373 PVLDSVGSFFLYSKLITVDKSRWQGNVFCVSNVHEALHNHYTQKSLSLSPGK 424

RESULT 12

PCT-US96-10043-11
 ; Sequence 11, Application PC/TUS9610043
 ; GENERAL INFORMATION:
 ; APPLICANT: The General Hospital Corporation
 ; TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fish & Richardson P.C.
 ; STREET: 225 Franklin Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02210-2804

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US96/10043
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/000,213
 FILING DATE: 14-JUN-1995
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Lech, Karen F.
 REGISTRATION NUMBER:
 REFERENCE/DOCKET NUMBER: 00786/284001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEFAX: 617/542-8906
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 437 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: protein

PCT-US96-10043-11

Query Match 97.2%; Score 1225; DB 5; Length 437;
 Best Local Similarity 97.0%; Pred. No. 5e-116;
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

DB 206 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 265
 QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLTQHWMMNGKEYKCKVSNKALPAPIEKT 120
 DB 266 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLTQHWMMNGKEYKCKVSNKALPAPIEKT 325
 QY 121 ISKAKVQPREPQVYTLPPSRDELTKQVSLTCLVKGFPYSDIAVESNGQPENNYKTTTP 180
 DB 326 ISKAKVQPREPQVYTLPPSRDELTKQVSLTCLVKGFPYSDIAVESNGQPENNYKTTTP 385
 QY 181 PVLDSVGSFFLYSKLITVDKSRWQGNVFCVSNVHEALHNHYTQKSLSLSPGK 232
 DB 386 PVLDSVGSFFLYSKLITVDKSRWQGNVFCVSNVHEALHNHYTQKSLSLSPGK 437

RESULT 13

US-08-472-888A-7
 ; Sequence 7, Application US/08472888A
 ; Patent No. 6613746
 ; GENERAL INFORMATION:
 ; APPLICANT: Seed, Brian
 ; APPLICANT: Walz, Gerd
 ; TITLE OF INVENTION: AGP-ANTIBODY FUSION PROTEINS
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Clark & Elbing LLP
 ; STREET: 176 Federal Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02110

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/472,888A
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/618,314
 FILING DATE: 23-NOV-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Elbing, Karen L.
 REGISTRATION NUMBER: 35,238
 REFERENCE/DOCKET NUMBER: 00786/258001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617-428-0200
 TELEFAX: 617-428-7045
 TELEX:

INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 442 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-08-472-888A-7

Query Match 97.2%; Score 1225; DB 4; Length 442;
 Best Local Similarity 97.0%; Pred. No. 5.1e-116;
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
 DB 211 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 270
 QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLTQHWMMNGKEYKCKVSNKALPAPIEKT 120
 DB 271 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLTQHWMMNGKEYKCKVSNKALPAPIEKT 330

	Query Match	97.2%;	Score 1225;	DB 5;	Length 442;
	Best Local Similarity	97.0%;	Pred. No. 5.1e-116;		
	Matches 225;	Conservative	3;	Mismatches 4;	Indels 0; Gaps 0
QY	1	EPKSCDKTCTCPAPELLGGPSVFLEPPPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60		
Db	211	EPKSCDKTCTCPAPELLGGPSVFLEPPPKDTLMISRTPEVTCVVVDVSHEDPEVKF	270		
QY	61	NWYVDGVEVHNKTRPREQYNSTYRVVSVLTVHLQGNMNGKEYCKCKVSKALPAIEKT	120		
Db	271	NWYVDGVEVHNKTRPREQYNSTYRVVSVLTVHLQGNMNGKEYCKCKVSKALPAIEKT	330		
QY	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180		
Db	331	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	390		
QY	181	PVLDSVGSFFLYKSLTVDKSRWQQGNVSCFVSWMHEALHNYQQRSLSLSPCK	232		

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Db      391  PVLSDSGSFFLYKSLTVDKSRWQGNVFCSVMHEALHNHYTKQSLSLSPGK  442

RESULT 15
US-08-397-411-7
; Sequence 7, Application US/08397411
; Patent No. 6129914
; GENERAL INFORMATION:
; APPLICANT: Weiner, George
; APPLICANT: Gingrich, Roger
; APPLICANT: Link, Brian
; APPLICANT: Tso, J. Yun
; TITLE OF INVENTION: B-specific Antibody Effective to Treat
; TITLE OF INVENTION: B-Cell Lymphoma and Cell Line
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,411
; FILING DATE: 01-MAR-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/859,583
; FILING DATE: 27-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/POCKET NUMBER: 011823-004901
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 446 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
US-08-397-411-7

Query Match          97.2%; Score 1235; DB 3; Length 446;
Best Local Similarity 97.0%; Pred. No. 5.2e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY      1  EPKSCDKTHTCPPCAPPELLGGPSVFLFPPKPKDTLIMISRTPEVTCVVVDVSHEDPEVKF  60
Db      215  EPKSCDKTHTCPPCAPPELLGGPSVFLFPPKPKDTLIMISRTPEVTCVVVDVSHEDPEVKF  274
QY      61  NWYVDGVEVHNKTKPRREQINSTRYVWSVLTVLHQNNWNGKEYKCKVSNKALPAPIEKT  120
Db      275  NWYVDGVEVHNKTKPRREQINSTRYVWSVLTVLHQDMLNGKEYKCKVSNKALPAPIEKT  334
QY      121  ISKAVQPREQVYTLPPSDELTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTP  180
Db      335  ISKAGQPREQVYTLPPSDELTKNQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTP  394
QY      181  PVLSDSGSFFLYKSLTVDKSRWQGNVFCSVMHEALHNHYQOORSLSLSPGK  232
Db      395  PVLSDSGSFFLYKSLTVDKSRWQGNVFCSVMHEALHNHYTKQSLSLSPGK  446

Search completed: August 18, 2004, 01:00:25
Job time : 9.31311 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:56:48 ; Search time 12.8457 Seconds
(without alignments)
1286.060 Million cell updates/sec

Title: US-09-847-208B-6
Perfect score: 1707
Sequence: 1 FPPPTVKILQSCDGGGHP.....HEAASPSQTVQRAVSNVPGK 320

Scoring table: BLOSUM62
Gapex 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2_6/ptodata/2/iaa/5B COMB.pep:*
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4: /cgn2_6/ptodata/2/iaa/6B COMB.pep:*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	956.5	56.0	426	1	US-08-336-583-2
2	956.5	56.0	426	5	PCT-US95-13795-2
3	949.5	55.6	431	4	US-08-479-614-14
4	949.5	55.6	496	4	US-08-479-614-2
5	949.5	55.6	496	4	US-08-479-614-29
6	678.5	39.7	561	3	US-09-192-545-2
7	597	35.0	113	2	US-08-232-539D-56
8	587	34.4	110	1	US-08-399-106A-6
9	587	34.4	110	1	US-08-433-105A-6
10	587	34.4	110	2	US-08-434-869A-6
11	581	34.0	109	1	US-08-037-579A-2
12	581	34.0	109	3	US-08-601-184-2
13	566.5	33.2	109	4	US-08-466-163B-1
14	566.5	33.2	109	4	US-08-802-096-1
15	556	32.6	106	2	US-08-232-539D-54
16	526	30.8	119	2	US-08-484-025A-1
17	508.5	29.8	118	3	US-08-466-151-1
18	481.5	28.2	334	2	US-08-646-981-16
19	455.5	26.7	333	1	US-08-436-463-6
20	455.5	26.7	333	1	US-08-024-253-6
21	453	26.5	331	4	US-08-646-981-17
22	425	24.9	451	4	US-09-472-087-70
23	424	24.8	599	1	US-08-442-542-18
24	424	24.8	599	3	US-08-765-469-18
25	423.5	24.8	463	4	US-09-472-087-1
26	423.5	24.8	463	4	US-09-472-087-63
27	422	24.7	450	2	US-08-788-800-12

28	422	24.7	469	2	US-07-934-373C-23	Sequence 23, Appl
29	422	24.7	469	3	US-08-437-642B-23	Sequence 23, Appl
30	422	24.7	469	4	US-08-146-206C-23	Sequence 23, Appl
31	422	24.7	469	4	US-09-705-686-23	Sequence 23, Appl
32	420	24.6	463	4	US-09-472-087-4	Sequence 4, Appl
33	420	24.6	463	4	US-09-472-087-68	Sequence 68, Appl
34	420	24.6	464	4	US-09-472-087-2	Sequence 2, Appl
35	420	24.6	464	4	US-09-472-087-66	Sequence 66, Appl
36	417.5	24.5	463	4	US-09-472-087-64	Sequence 64, Appl
37	416.5	24.4	320	2	US-08-579-940-8	Sequence 8, Appl
38	416	24.4	530	3	US-08-477-460B-4	Sequence 4, Appl
39	416	24.4	530	3	US-08-379-518-4	Sequence 4, Appl
40	416	24.4	530	3	US-09-329-916-4	Sequence 4, Appl
41	416	24.4	530	3	US-08-485-372A-4	Sequence 4, Appl
42	416	24.4	530	4	US-09-409-006A-4	Sequence 4, Appl
43	416	24.4	530	4	US-08-484-681-4	Sequence 4, Appl
44	416	24.4	530	5	PCT-US93-07422-4	Sequence 4, Appl
45	414	24.3	445	1	US-08-353-400-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1
US-08-336-583-2
; Sequence 2, Application US/08336583
; Patent No. 5629415
; GENERAL INFORMATION:
; APPLICANT: HOLLIS, GREGORY F.
; APPLICANT: PATEL, MAYUR D.
; TITLE OF INVENTION: DNA ENCODING CANINE IMMUNOGLOBULIN E
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHRISTINE E. CARTY
; STREET: 126 E. LINCOLN AVENUE
; CITY: RAHWAY
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/336,583
; FILING DATE: 09-NOV-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: CARTY, CHRISTINE E.
; REGISTRATION NUMBER: 36,099
; REFERENCE/DOCKET NUMBER: 19211
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-6734
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 426 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-336-583-2

Query Match 56.0%; Score 956.5; DB 1; Length 426;
Best Local Similarity 56.2%; Pred. No. 8.3e-84;
Matches 182; Conservative 50; Mismatches 87; Indels 5; Gaps 4;
QY 1 FPPPTVKILQSCDGGGHPPTIQLCLVSGVTPGTINITWLEDGQ-VMDVLSASTQ 59
Db 104 FPPPTVKILQSCDGGGHPPTIQLCLVSGVTPGTINITWLEDGQ-VMDVLSASTQ 163
QY 60 EGELASTQSELTLQKHWLSDRTYTCQVYQGHFTEDSTKCKADSNPRGVSAYLSRSPFF 119

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Db 164 EGNVTSTHSELNITQGEWSQKTYTCQVYQGTFFKDEARKCESDPRGVTSYLSPPSPL 223
QY 120 DLFIKSPITICLVVDLAPSKGTVNLWTSRASKGPVNHSTRKEEKORNGTLTSTLPGV 179
Db 224 DLVYHKAPKITCLVVDLATWEG-MNLTWRESKEPVPNPGPLNKKDHFNGLTITVSTL 282
QY 180 TRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEYAFATP-EWPGSRDKRTLACL 238
Db 283 TNDWIEGETYTCRVTHPHLPKDIVRSIAKAPGRAPPDVYLFPPPEEQGTDRVTTLCL 342
QY 239 IQNMPEDISVQWLHNEVOLPDARHSTTQPRKTGS--GFFVFSRLEVTRAWEQKDEFI 296
Db 343 IQNFFPADISVQWLNRDPSIQDTQYTTGPHKVGSRPAFFIFSRLEVSRLVSRVDEQK 402
QY 297 CRAVHEAASPSQTVQRAVSNPGK 320
Db 403 CQVHEALSGSRILQKWSKTPCK 426

RESULT 2
PCT-US95-13795-2
; Sequence 2, Application PC/TUS9513795
; GENERAL INFORMATION:
; APPLICANT: HOLLIS, GREGORY F.
; APPLICANT: PATEL, MAYUR D.
; TITLE OF INVENTION: DNA ENCODING CANINE IMMUNOGLOBULINS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHRISTINE E. CARTY
; STREET: 126 E. LINCOLN AVENUE, P.O. BOX 2000
; CITY: RAHWAY
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PC-DOS/MS-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13795
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARTY, CHRISTINE E.
; REGISTRATION NUMBER: 36,099
; REFERENCE/DOCKET NUMBER: 19211Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-6734
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 426 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-13795-2

Query Match 56.0%; Score 956.5; DB 5; Length 426;
Best Local Similarity 56.2%; Pred. No. 8.3e-84;
Matches 182; Conservative 50; Mismatches 87; Indels 5; Gaps 4;

QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQ-VMDVDLSTASTTQ 59
Db 104 FIPTVKLPHSSCNPGVDTHITLIQLCLISGYVPGDMEVTLVWGGKATNIPFYTAGPK 163
QY 60 EGGLESTQSELTLISQKHLSDRTYTCQVYQGTFFEDSTKCKADSNPRGVSAVLSRPSF 119
Db 164 EGNVTSTHSELNITQGEWSQKTYTCQVYQGTFFKDEARKCESDPRGVTSYLSPPSPL 223
QY 120 DLFIKSPITICLVVDLAPSKGTVNLWTSRASKGPVNHSTRKEEKORNGTLTSTLPGV 179

PCT-US95-13795-2

Query Match 55.6%; Score 949.5; DB 4; Length 431;
Best Local Similarity 56.5%; Pred. No. 4e-83;
Matches 183; Conservative 46; Mismatches 90; Indels 5; Gaps 4;

QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQ-VMDVDLSTASTTQ 59
Db 109 FIPTVKLPHSSCNPLDGTGTIQLCLISGYVPGDMEVTLVWGGKATNIPFYTAGPK 168
QY 60 EGGLESTQSELTLISQKHLSDRTYTCQVYQGTFFEDSTKCKADSNPRGVSAVLSRPSF 119
Db 169 EGKVTSTHSELNITQGEWSQKTYTCQVYQGTFFEDHARKCTESDPRGVSTYLSPPSPL 228
QY 120 DLFIKSPITICLVVDLAPSKGTVNLWTSRASKGPVNHSTRKEEKORNGTLTSTLPGV 179
Db 229 DLVYHKSPKITCLVVDLANTDGM-LTWSRENGESVHPDPMVKKTQNGITITVSTLPGV 287
QY 180 TRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEYAFATPEW-PGSRDKRTLACL 238
Db 288 ATDWIEGETYQCKVTHPDLPKDIVRSIAKAPGRFRFPEVYVFLPPEGPKTKDKVILTCL 347
QY 239 IQNMPEDISVQWLHNEVOLPDARHSTTQPRKTGS--GFFVFSRLEVTRAWEQKDEFI 296
Db 348 IQNFFPADISVQWLNRDPSFVTEQATTWPHKATGSPAFFVFSRLEVSRVDEQKRVFT 407
QY 297 CRAVHEAASPSQTVQRAVSNPGK 320
Db 408 CQVHEALPGFRTLKKSXKNPGK 431

RESULT 4
US-09-479-614-2
; Sequence 2, Application US/09479614
; Patent No. 6573372
; GENERAL INFORMATION:
; APPLICANT: McCall, Catherine
; APPLICANT: Weber, Eric

```

```

Db 224 DLVYHKAPKITCLVVDLATWEG-MNLTWRESKEPVPNPGPLNKKDHFNGLTITVSTL 282
QY 180 TRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEYAFATP-EWPGSRDKRTLACL 238
Db 283 TNDWIEGETYTCRVTHPHLPKDIVRSIAKAPGRAPPDVYLFPPPEEQGTDRVTTLCL 342
QY 239 IQNMPEDISVQWLHNEVOLPDARHSTTQPRKTGS--GFFVFSRLEVTRAWEQKDEFI 296
Db 343 IQNFFPADISVQWLNRDPSIQDTQYTTGPHKVGSRPAFFIFSRLEVSRLVSRVDEQK 402
QY 297 CRAVHEAASPSQTVQRAVSNPGK 320
Db 403 CQVHEALSGSRILQKWSKTPCK 426

RESULT 3
US-09-479-614-14
; Sequence 14, Application US/09479614
; Patent No. 6573372
; GENERAL INFORMATION:
; APPLICANT: McCall, Catherine
; APPLICANT: Weber, Eric
; TITLE OF INVENTION: Feline Immunoglobulin E Molecules and Related Methods
; FILE REFERENCE: P-1047
; CURRENT APPLICATION NUMBER: US/09/479,614
; CURRENT FILING DATE: 2000-01-07
; EARLIER APPLICATION NUMBER: 60/115,033
; EARLIER FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 14
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Felis catus
US-09-479-614-14

Query Match 55.6%; Score 949.5; DB 4; Length 431;
Best Local Similarity 56.5%; Pred. No. 4e-83;
Matches 183; Conservative 46; Mismatches 90; Indels 5; Gaps 4;

QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQ-VMDVDLSTASTTQ 59
Db 109 FIPTVKLPHSSCNPLDGTGTIQLCLISGYVPGDMEVTLVWGGKATNIPFYTAGPK 168
QY 60 EGGLESTQSELTLISQKHLSDRTYTCQVYQGTFFEDSTKCKADSNPRGVSAVLSRPSF 119
Db 169 EGKVTSTHSELNITQGEWSQKTYTCQVYQGTFFEDHARKCTESDPRGVSTYLSPPSPL 228
QY 120 DLFIKSPITICLVVDLAPSKGTVNLWTSRASKGPVNHSTRKEEKORNGTLTSTLPGV 179
Db 229 DLVYHKSPKITCLVVDLANTDGM-LTWSRENGESVHPDPMVKKTQNGITITVSTLPGV 287
QY 180 TRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEYAFATPEW-PGSRDKRTLACL 238
Db 288 ATDWIEGETYQCKVTHPDLPKDIVRSIAKAPGRFRFPEVYVFLPPEGPKTKDKVILTCL 347
QY 239 IQNMPEDISVQWLHNEVOLPDARHSTTQPRKTGS--GFFVFSRLEVTRAWEQKDEFI 296
Db 348 IQNFFPADISVQWLNRDPSFVTEQATTWPHKATGSPAFFVFSRLEVSRVDEQKRVFT 407
QY 297 CRAVHEAASPSQTVQRAVSNPGK 320
Db 408 CQVHEALPGFRTLKKSXKNPGK 431

RESULT 4
US-09-479-614-2
; Sequence 2, Application US/09479614
; Patent No. 6573372
; GENERAL INFORMATION:
; APPLICANT: McCall, Catherine
; APPLICANT: Weber, Eric

```

```
; TITLE OF INVENTION: Feline Immunoglobulin E Molecules and Related Methods
; FILE REFERENCE: P-1047
; CURRENT APPLICATION NUMBER: US/09/479,614
; CURRENT FILING DATE: 2000-01-07
; EARLIER APPLICATION NUMBER: 60/115,033
; EARLIER FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 496
; TYPE: PRT
; ORGANISM: Felis catus
US-09-479-614-2

Query Match      55.6%; Score 949.5; DB 4; Length 496;
Best Local Similarity 56.5%; Pred. No. 4.9e-83;
Matches 183; Conservative 46; Mismatches 90; Indels 5; Gaps 4;

QY 1 FTPPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTINITWLEDGO-VMDVDLSTATTQ 59
Db 174 FIPPTVKLFHSSCNPLGDTGSTIQLCLISGVYVPGDMEVTWLVGQKATNIFPYTAPGK 233
QY 60 EGElastQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSRSPF 119
Db 234 EGKVTSTHSELNITQGEWWSQKTYTCQVYQGHFTFEDHARKCTESDPRGVSTYLSPPSPL 293
QY 120 DLFIKSPITITCLVVDLAPSKGTVNLTWASGKPVNHSTRKEKQKNGTLTWTSLPVG 179
Db 294 DLYVHKSPKITCLVVDLANTDGMT-LTWSRENGESVHPDPMVKTKYQNGTITVTSLPVD 352
QY 180 TRDWIEGETYQCRVTHPLPALMRSTTKSGPRAAPEVAFATPEW-PGSRDKRTIACL 238
Db 353 ATDWVEGETYQCKVTHDPLPKDIVRSIAKAPGRFPPEVYVFLPPEGEPTKDKVILTCL 412
QY 239 IONFMPEDISVQWLNHNEVQLPDARHSTTQPRKTKG--SGFFVFSRLVETRAEWEQKDEFI 296
Db 413 IONFPPDIDISVQWLNHNSPVRTEQOATWPHKATGPSAFFVFSRLVSRLEVRADWEQORDVFT 472
QY 297 CRAVHEAASPQTVQRAVSNVPGK 320
Db 473 CQVHEALPGFRTLKSVSKNPGK 496

RESULT 5
US-09-479-614-29
; Sequence 29, Application US/09479614
; Patent No. 6573372
; GENERAL INFORMATION:
; APPLICANT: McCall, Catherine
; APPLICANT: Weber, Eric
; TITLE OF INVENTION: Feline Immunoglobulin E Molecules and Related Methods
; FILE REFERENCE: P-1047
; CURRENT APPLICATION NUMBER: US/09/479,614
; CURRENT FILING DATE: 2000-01-07
; EARLIER APPLICATION NUMBER: 60/115,033
; EARLIER FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 29
; LENGTH: 496
; TYPE: PRT
; ORGANISM: Felis catus
US-09-479-614-29

Query Match      55.6%; Score 949.5; DB 4; Length 496;
Best Local Similarity 56.5%; Pred. No. 4.9e-83;
Matches 183; Conservative 46; Mismatches 90; Indels 5; Gaps 4;

QY 1 FTPPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTINITWLEDGO-VMDVDLSTATTQ 59
Db 174 FIPPTVKLFHSSCNPLGDTGSTIQLCLISGVYVPGDMEVTWLVGQKATNIFPYTAPGK 233
QY 60 EGElastQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSRSPF 119
Db 234 EGKVTSTHSELNITQGEWWSQKTYTCQVYQGHFTFEDHARKCTESDPRGVSTYLSPPSPL 293
QY 120 DLFIKSPITITCLVVDLAPSKGTVNLTWASGKPVNHSTRKEKQKNGTLTWTSLPVG 179
Db 294 DLYVHKSPKITCLVVDLANTDGMT-LTWSRENGESVHPDPMVKTKYQNGTITVTSLPVD 352
QY 180 TRDWIEGETYQCRVTHPLPALMRSTTKSGPRAAPEVAFATPEW-PGSRDKRTIACL 238
Db 353 ATDWVEGETYQCKVTHDPLPKDIVRSIAKAPGRFPPEVYVFLPPEGEPTKDKVILTCL 412
QY 239 IONFMPEDISVQWLNHNEVQLPDARHSTTQPRKTKG--SGFFVFSRLVETRAEWEQKDEFI 296
Db 413 IONFPPDIDISVQWLNHNSPVRTEQOATWPHKATGPSAFFVFSRLVSRLEVRADWEQORDVFT 472
QY 297 CRAVHEAASPQTVQRAVSNVPGK 320
Db 473 CQVHEALPGFRTLKSVSKNPGK 496
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```
; TITLE OF INVENTION: Transgenic Animal Allergy Models and Methods for Their Use
; FILE REFERENCE: 79979570
; CURRENT APPLICATION NUMBER: US/09/192,545
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: JP HEI 9-313989
; EARLIER FILING DATE: 1997-11-14
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 561
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: Description of Artificial Sequence: Designed heavy
US-09-192-545-2

Query Match      39.7%; Score 678.5; DB 3; Length 561;
Best Local Similarity 43.7%; Pred. No. 7.6e-57;
Matches 136; Conservative 56; Mismatches 112; Indels 7; Gaps 6;

QY 13 CDGGHFPPTIQLCLVSGYTGTTINITWL-EDGQVMDVDLSTATTQEGELASTQSELT 71
Db 247 CDPNA-FHSTIQLCYFIYGHILNDVSVSWLMDREITDTLAQTVLKEEGKLASTCSKLN 305
QY 72 LSQKHWLSDRITYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSRSPDLFRKSPITTC 131
Db 306 ITEQWMSSESTFCRVTSQGVLDLAHRRCPDHEPRGAIITYLIPSLDLQNGAPKLTLC 365
QY 132 LVVDLAPSKGTVNLTWASGKPVNHSTRKEKQKNGTLTWTSLPVGTRDWIEGETYQ 191
Db 366 LVVDLESEK-NVNVITWNEKKTVSAGSQWYTKHNNATTSITSLPVVAKOWIEGVGYQC 424
QY 192 RVTHPLPALMRSTTKTS-GPRAAPEVAFATPEWPGSRDKRTIACLIONFMPEDISVQ 250
Db 425 VVDRPDPKPIVRSITLPOVSQSAPEVYVFPPE-EESEDKRTLTCLIONFPPEDISVQ 483
QY 251 WLHNEVQLPDARHSTTQPRKTKGS--GPFVFSRLVETRAEWEQKDEFTICRAVHEAASPQ 308
Db 484 WLGDGLKLSNSGHSSTTPLKNSGNSQGFIFSRLEVAKTLWTQKQTCQVHEALQKER 543
QY 309 TVQRAVSNVPG 319
Db 544 KLEKTIISTSLG 554

RESULT 6
US-09-192-545-2
; Sequence 2, Application US/09192545
; Patent No. 6118044
; GENERAL INFORMATION:
; APPLICANT: Karasuyama, Hajime
; APPLICANT: Ionekawa, Hiromichi
; APPLICANT: Taya, Choji
; APPLICANT: Matsuka, Kunie
; TITLE OF INVENTION: Transgenic Animal Allergy Models and Methods for Their Use
; FILE REFERENCE: 79979570
; CURRENT APPLICATION NUMBER: US/09/192,545
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: JP HEI 9-313989
; EARLIER FILING DATE: 1997-11-14
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 561
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: Description of Artificial Sequence: Designed heavy
US-09-192-545-2

Query Match      39.7%; Score 678.5; DB 3; Length 561;
Best Local Similarity 43.7%; Pred. No. 7.6e-57;
Matches 136; Conservative 56; Mismatches 112; Indels 7; Gaps 6;

QY 13 CDGGHFPPTIQLCLVSGYTGTTINITWL-EDGQVMDVDLSTATTQEGELASTQSELT 71
Db 247 CDPNA-FHSTIQLCYFIYGHILNDVSVSWLMDREITDTLAQTVLKEEGKLASTCSKLN 305
QY 72 LSQKHWLSDRITYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSRSPDLFRKSPITTC 131
Db 306 ITEQWMSSESTFCRVTSQGVLDLAHRRCPDHEPRGAIITYLIPSLDLQNGAPKLTLC 365
QY 132 LVVDLAPSKGTVNLTWASGKPVNHSTRKEKQKNGTLTWTSLPVGTRDWIEGETYQ 191
Db 366 LVVDLESEK-NVNVITWNEKKTVSAGSQWYTKHNNATTSITSLPVVAKOWIEGVGYQC 424
QY 192 RVTHPLPALMRSTTKTS-GPRAAPEVAFATPEWPGSRDKRTIACLIONFMPEDISVQ 250
Db 425 VVDRPDPKPIVRSITLPOVSQSAPEVYVFPPE-EESEDKRTLTCLIONFPPEDISVQ 483
QY 251 WLHNEVQLPDARHSTTQPRKTKGS--GPFVFSRLVETRAEWEQKDEFTICRAVHEAASPQ 308
Db 484 WLGDGLKLSNSGHSSTTPLKNSGNSQGFIFSRLEVAKTLWTQKQTCQVHEALQKER 543
QY 309 TVQRAVSNVPG 319
Db 544 KLEKTIISTSLG 554
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RESULT 7

US-08-232-539D-56
 ; Sequence 56, Application US/08232539D
 ; Patent No. 5965709
 ; GENERAL INFORMATION:
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Jardieu, Paula M.
 ; TITLE OF INVENTION: IGE Antagonists
 ; NUMBER OF SEQUENCES: 60
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatIn (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/232,539D
 ; FILING DATE: 21-Apr-1994
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/178583
 ; FILING DATE: 07-JAN-1994
 ; PRIOR APPLICATION DATA: 07/744768
 ; FILING DATE: 14-AUG-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Svoboda, Craig G.
 ; REGISTRATION NUMBER: 39,044
 ; REFERENCE/DOCKET NUMBER: P0718P3
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650/225-1489
 ; TELEFAX: 650/952-9881
 ; INFORMATION FOR SEQ ID NO: 56:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 113 amino acids
 ; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 ; US-08-232-539D-56

Query Match 35.0%; Score 597; DB 2; Length 113;
 Best Local Similarity 100.0%; Pred. No. 5.1e-50;
 Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 101 CADSNRGSAYLSRSPFDLFRKSPPTITCLVWLAPSQTGVTNLTWSRASKPVNHSTR 160
 Db 1 CADSNRGSAYLSRSPFDLFRKSPPTITCLVWLAPSQTGVTNLTWSRASKPVNHSTR 60

Qy 161 KEKQRNGTLTVTSTLPVGTDRWIEGETYQCRVTHPLPALMRSTTKTSGP 212
 Db 61 KEKQRNGTLTVTSTLPVGTDRWIEGETYQCRVTHPLPALMRSTTKTSGP 112

RESULT 8

US-08-399-106A-6
 ; Sequence 6, Application US/08399106A
 ; Patent No. 5731168
 ; GENERAL INFORMATION:
 ; APPLICANT: Carter, Paul J.
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Ridgway, John B.
 ; TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC
 ; POLYPEPTIDES
 ; NUMBER OF SEQUENCES: 16
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco

STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/399,106A
 FILING DATE: 01-Mar-1995
 CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: P0927

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 110 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-399-106A-6

Query Match 34.4%; Score 587; DB 1; Length 110;

Best Local Similarity 100.0%; Pred. No. 4.5e-49;

Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 211 GPRAAPEVYAFATPEWPGSRDKETLACLIONFNPEDISVQWLHNEVQLDPDARHSTTPRK 270

Db 1 GPRAAPEVYAFATPEWPGSRDKETLACLIONFNPEDISVQWLHNEVQLDPDARHSTTPRK 60

Qy 271 TKSGRFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 320

Db 61 TKSGRFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 110

RESULT 9

US-08-433-105A-6
 ; Sequence 6, Application US/08433105A
 ; Patent No. 5807706
 ; GENERAL INFORMATION:

APPLICANT: Carter, Paul J.

APPLICANT: Presta, Leonard G.

APPLICANT: Ridgway, John B.

TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/433,105A

FILING DATE: 03-May-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/399106

FILING DATE: 01-Mar-1995

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: P0927D2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 110 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-433-105A-6

Query Match 34.4%; Score 587; DB 1; Length 110;

Best Local Similarity 100.0%; Pred. No. 4.5e-49;

Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 270

Db 1 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 60

QY 271 TKSGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 320

Db 61 TKSGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 110

RESULT 10

US-08-434-869A-6

Sequence 6, Application US/08434869A

Patent No. 5821333

GENERAL INFORMATION:

APPLICANT: Carter, Paul J.

APPLICANT: Presta, Leonard G.

APPLICANT: Rigway, John B.

TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/434,869A

FILING DATE: 03-May-1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/399106

FILING DATE: 01-MAR-1995

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: P0927D1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 110 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-434-869A-6

Query Match

Best Local Similarity 100.0%; Pred. No. 4.5e-49;

Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 270

Db 1 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 60

QY 271 TKSGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 320

Db 61 TKSGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 110

RESULT 11

US-08-037-579A-2

Sequence 2, Application US/08037579A

Patent No. 5552537

GENERAL INFORMATION:

APPLICANT: Zhang, Ke

APPLICANT: Max, Edward E

APPLICANT: Saxon, Andrew

TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT

STREET: 4 Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/037,579A

FILING DATE: 24-MAR-1993

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Rowland, Bertram I

REGISTRATION NUMBER: 20,015

REFERENCE/DOCKET NUMBER: A-57950/BIR UCLA-233

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-3249

TELEX: 910 277299 FHT UR

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 109 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-037-579A-2

Query Match 34.0%; Score 581; DB 1; Length 109;

Best Local Similarity 100.0%; Pred. No. 1.7e-48;

Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 271

Db 1 PRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 60

QY 272 KSGGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 320

Db 61 KSGGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 109

RESULT 12

US-08-601-184-2

Sequence 2, Application US/08601184

Patent No. 6043345

GENERAL INFORMATION:

APPLICANT: Zhang, Ke

APPLICANT: Max, Edward E

APPLICANT: Saxon, Andrew

TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE

NUMBER OF SEQUENCES: 8

;; CORRESPONDENCE ADDRESS:
 ;; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
 ;; STREET: 4 Embarcadero Center, Suite 3400
 ;; CITY: San Francisco
 ;; STATE: California
 ;; COUNTRY: USA
 ;; ZIP: 941114187
 ;; COMPUTER READABLE FORM:
 ;; MEDIUM TYPE: Floppy disk
 ;; COMPUTER: IBM PC compatible
 ;; OPERATING SYSTEM: PCDOS/MSDOS
 ;; SOFTWARE: Patentin Release #1.0, Version #1.25
 ;; CURRENT APPLICATION DATA:
 ;; APPLICATION NUMBER: US/08/601,184
 ;; FILING DATE:
 ;; CLASSIFICATION: 530
 ;; ATTORNEY/AGENT INFORMATION:
 ;; NAME: Sherwood, Pamela J.
 ;; REGISTRATION NUMBER: 36,677
 ;; REFERENCE/DOCKET NUMBER: A-57950-1/PJS UCLA233-1
 ;; TELECOMMUNICATION INFORMATION:
 ;; TELEPHONE: (415) 494-8700
 ;; TELEFAX: (415) 494-8771
 ;; TELEX: 910 277299 FHT UR
 ;; INFORMATION FOR SEQ ID NO: 2:
 ;; SEQUENCE CHARACTERISTICS:
 ;; LENGTH: 109 amino acids
 ;; TYPE: amino acid
 ;; TOPOLOGY: linear
 ;; MOLECULE TYPE: protein
 ;; US-08-601-184-2

Query Match 34.0%; Score 581; DB 3; Length 109;
 Best Local Similarity 100.0%; Pred. No. 1.7e-48;
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEVYAFATPEWPGSRDKRTLACLIONFEPEDISVQWLHNEVQLDPARHSTTQPKRT 271
 Db 1 PRAAPEVYAFATPEWPGSRDKRTLACLIONFEPEDISVQWLHNEVQLDPARHSTTQPKRT 60
 QY 272 KGSGFFVFSRLVTRAEWQKDEFFICRAVHEAASPQTQRAVSVPNGK 320
 Db 61 KGSGFFVFSRLVTRAEWQKDEFFICRAVHEAASPQTQRAVSVPNGK 109

RESULT 13
 US-08-466-163B-1
 ; Sequence 1, Application US/08466163B
 ; Patent No. 6329509
 ; GENERAL INFORMATION:
 ; APPLICANT: Presta, Leonard G.
 ; TITLE OF INVENTION: Immunoglobulin Variants
 ; FILE REFERENCE: P071892CID1
 ; CURRENT APPLICATION NUMBER: US/08/466,163B
 ; CURRENT FILING DATE: 1995-06-06
 ; PRIOR APPLICATION NUMBER: US 08/405,617
 ; PRIOR FILING DATE: 1995-03-15
 ; PRIOR APPLICATION NUMBER: US 08/185,899
 ; PRIOR FILING DATE: 1994-01-26
 ; PRIOR APPLICATION NUMBER: US 07/879,495
 ; PRIOR FILING DATE: 1992-05-07
 ; PRIOR APPLICATION NUMBER: US 07/744,768
 ; PRIOR FILING DATE: 1991-08-14
 ; NUMBER OF SEQ ID NOS: 64
 ; SEQ ID NO 1
 ; LENGTH: 109
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-08-466-163B-1

Query Match 33.2%; Score 566.5; DB 4; Length 109;
 Best Local Similarity 99.1%; Pred. No. 4.2e-47;

Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
 QY 103 DSNPRGVSAVLSRSPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKPVNHSRKE 162
 Db 1 DSNPRGVSAVLSRSPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKPVNHSRKE 60
 QY 163 EKQRNGTLTVTSTLPVGTDRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 212
 Db 61 EKQRNGTLTVTSTLPVGTDRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 14
 US-09-802-096-1
 ; Sequence 1, Application US/09802096
 ; Patent No. 6685939
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)
 ; FILE REFERENCE: P0718P2C3US
 ; CURRENT APPLICATION NUMBER: US/09/802,096
 ; CURRENT FILING DATE: 2001-03-08
 ; PRIOR APPLICATION NUMBER: US 08/405,617
 ; PRIOR FILING DATE: 1995-03-15
 ; PRIOR APPLICATION NUMBER: US 08/185,899
 ; PRIOR FILING DATE: 1994-01-26
 ; PRIOR APPLICATION NUMBER: PCT/US92/06860
 ; PRIOR FILING DATE: 1992-08-14
 ; PRIOR APPLICATION NUMBER: US 07/879,495
 ; PRIOR FILING DATE: 1992-05-07
 ; PRIOR APPLICATION NUMBER: US 07/744,768
 ; PRIOR FILING DATE: 1991-08-14
 ; NUMBER OF SEQ ID NOS: 64
 ; SEQ ID NO 1
 ; LENGTH: 109
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 4; Length 109;
 Best Local Similarity 99.1%; Pred. No. 4.2e-47;
 Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
 QY 103 DSNPRGVSAVLSRSPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKPVNHSRKE 162
 Db 1 DSNPRGVSAVLSRSPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKPVNHSRKE 60
 QY 163 EKQRNGTLTVTSTLPVGTDRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 212
 Db 61 EKQRNGTLTVTSTLPVGTDRDWIEGETYQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 15
 US-08-232-539D-54
 ; Sequence 54, Application US/08232539D
 ; Patent No. 5965709
 ; GENERAL INFORMATION:
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Jardieu, Paula M.
 ; TITLE OF INVENTION: Ige Antagonists
 ; NUMBER OF SEQUENCES: 60
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatIn (Genentech)


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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,539D
; FILING DATE: 21-Apr-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/178583
; FILING DATE: 07-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744768
; FILING DATE: 14-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P0718P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 106 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-232-539D-54

Query Match      32.6%; Score 556; DB 2; Length 106;
Best Local Similarity 100.0%; Pred. No. 4.2e-46;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      108 GVSAYLSRSPFFDLFIRKSPITITCLVVDLAFPSKGTVNLTWSRASGKPEVNHSTRKEEKQRN 167
Db      1   GVSAYLSRSPFFDLFIRKSPITITCLVVDLAFPSKGTVNLTWSRASGKPEVNHSTRKEEKQRN 60
      |||
Qy      168 GTLTVTSTLPVGRDWDIEGETYQCRVTHPHLPALMRSTTKTSGP 212
Db      61 GTLTVTSTLPVGRDWDIEGETYQCRVTHPHLPALMRSTTKTSGP 105
      |||
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Search completed: August 18, 2004, 01:00:26
Job time : 13.8457 secs

